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प्राधिकार से प्रकाशित

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No. 10] NEW DELHI, SATURDAY, MARCH 6, 1982 (PHALGUNA 15, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 6th March, 1982

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed
under Section 135, of the Act.

28th January, 1982

108/Cal/82. Chinoim Gyogyszer Es Vegyeszeti Termek Gyara RT. Process for preparation of sulfur-containing benzimidazole intermediate and their salts. [Divisional date May 10, 1978].

109/Cal/82. Chinoim Gyogyszer Es Vegyeszeti Termek Gyara RT. Process for preparation of sulfur-containing benzimidazole intermediate and their salts. [Divisional date May 10, 1978].

110/Cal/82. Allied Tube & Conduit Corporation. Continuous production of polished and buffed tubing.

111/Cal/82. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Apparatus for feeding tubes to and removing packages from spinning machines and twisting machines.

112/Cal/82. R. Prasad. Home cleaner.

29th January, 1982

113/Cal/82. Westinghouse Electric Corporation. Low nox multi-annular swirl (Mas) combustor.

114/Cal/82. Union Carbide Corporation. Non-rheoplectic concentrate of pesticides containing symmetrical bis-carbamate compounds.

115/Cal/82. J. H. Fenner & Co. Limited. Improved method of manufacturing belt fasteners. (January 29, 1981).

116/Cal/82. BBC Brown, Boveri & Company, Limited. Method of amplifying an analog low-frequency signal by a switching amplifier.

117/Cal/82. Wenger Manufacturing. Method of producing a meat analogue product. [Divisional date July 13, 1978].

118/Cal/82. Tata Engineering & Locomotive Co. Ltd. Power saving device (P.S.D.).

1st February, 1982

119/Cal/82. Mr. D. K. Kamble. Double walled fire-proof metal flush doors for absolute use for human habitation buildings.

120/Cal/82. Siemens Aktiengesellschaft. The control of semiconductor switching devices.

121/Cal/82. Texaco Development Corporation. Synthesis gas cooler and waste heat boiler.

122/Cal/82. Westinghouse Electric Corporation. Switch-gear with stab-positioning system.

123/Cal/82. Shell Internationale Research Maatschappij B.V. Column for treating gases. (February 3, 1981).

2nd February, 1982

124/Cal/82. S. Singh. Speed indicating device.

125/Cal/82. Korea Advanced Institute of Science and Technology. Biological process for the preparation of rifamycin derivatives.

126/Cal/82. The Pittsburg & Midway Coal Mining Company. Process for removing polymer-forming impurities from naphtha fraction.

127/Cal/82. Mobil Oil Corporation. Xylene isomerization.

128/Cal/82. The Air Preheater Company, Inc. Cast recuperator tube.

3rd February, 1982

129/Cal/82. Abex Corporation. Metal founding.

130/Cal/82. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. A process for polymerizing vinyl chloride.

131/Cal/82. Hoechst Aktiengesellschaft. Dyestuff compositions and their use.

132/Cal/82. D. I. Okun & I. I. Kaganovsky. Apparatus for coiling metal strips.

133/Cal/82. J. L. A. See and S. V. L. Chevanne. Wall construction prefabricated from self-connectable elements.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, JIRD FLOOR, KAROL BAGH, NEW DELHI-5.

23rd December, 1981

798/Del/81. Racold Appliances Pty. Ltd., "An adaptor".

799/Del/81. Anand Automobiles. "Panel filters".

800/Del/81. Anand Automobiles, "Panel filters".

801/Del/81 Alsthom-Atlantique, "A diffuser with through the wall bleeding".

802/Del/81. The Standard Oil Co., "Continuous acetonitrile recovery process".

803/Del/81. The Standard Oil Co., "Ammonium sulfate recovery process".

24th December 1981

804/Del/81. Council of Scientific and Industrial Research, "Process for the synthesis of new 3, 6-diaryl 3, 4-dihydro-1, 3, 2-oxazaphosphorin-2-oxides".

805/Del/81. Council of Scientific & Industrial Research, "An improved process for the production of thin spiral carbon electrodes".

806/Del/81. Pfizer Corporation, "Antihypertensives".

807/Del/81. Georges Trepaud, "Improvement to heat exchangers with clusters of straight or corrugated tubes, especially to systems for supporting the tubes, and a process for producing these supporting systems".

808/Del/81. Betriebsverein GMBH, "Method of and arrangement for withdrawing additive vapors produced during admixture of an additive to a pre-heated coking coal".

28th December 1981

809/Del/81. PPG Industries Inc. "Process and apparatus for making glass".

810/Del/81. The British Petroleum Co., Ltd., "Theta-1. A new crystalline silicate". (January 8, 1981).

29th December, 1981

811/Del/81. Photon Power Inc., "Improvements in spray forming thin films with a heated conveyor system".

812/Del/81. Egysult Izzolampa Es Villamossagi Rt., "Energy-saving lamp unit".

813/Del/81. Egysult Izzolampa Es Villamossagi Rt., "Electric light source".

814/Del/81. Egysult Izzolampa Es Villamossagi Rt., High-pressure sodium vapour lamp".

30th December, 1981

815/Del/81. United Catalysts Inc., "A carbon monoxide shift conversion catalyst and process". [Divisional date November 1, 1978].

30th December, 1981

816/Del/81. Capsugel A.G., "A process for producing a pharmaceutical capsule having enteric properties".

817/Del/81. Mobil Tyco Solar Energy Corporation, "Capillary die assembly".

818/Del/81. V. N. Sarna, "Non stick copper clad stainless steel electric and non electric domestic utensils".

31st December, 1981

819/Del/81. Shanti Sikka, Ram Prakash and Ashok Sikka, "Improved Hacksaw".

820/Del/81. Council of Scientific & Industrial Research, "Electrochemical preparation of chromate from chromium oxide using nickel oxy hydroxide anode".

821/Del/81. Council of Scientific and Industrial Research, "Improved process for the manufacture of carbon fibres from polyacrylonitrile fibres".

822/Del/81. Council of Scientific and Industrial Research, "An improved liquid fuel burner for industrial furnace".

823/Del/81. Protein Foods (U.K.) Ltd., "Blood-containing rind product and process for preparation thereof". (January 2, 1981).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 140B. 149649.
Int. Cl.—C11b 13/00, C10m 11/00.

PROCESS FOR RECOVERING USED LUBRICATING OILS.

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : GERHARD PAUL NOWACK, DONALD CALVIN TABLER AND MARVIN MERRILL JOHNSON.

Application No. 509/Cal/78 filed May 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A process for the recovery of an essentially ash-free lube oil stock from a used lubricating oil containing ash-forming components which comprises.

(a) contacting said used lubricating oil with an aqueous solution of a treating agent consisting essentially of an ammonium salt as hereinbefore described, dispersing the said agent in said used lubricating oil enabling the said agent to react with the ash-forming components of said used oil;

(b) removing in a conventional manner a major portion of water and light hydrocarbon components from the resulting mixture of used oil and aqueous treating agent from step (a); and

(c) separating in a conventional manner the oil phase from the residual mixture resulting from step (b).

Comp. Specn. 32 pages.

Dig. 1 sheet

CLASS : 48D₄. 149650.
Int. Cl.—H02g 7/04.

GAS-INSULATED ELECTRICAL APPARATUS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : PHILIP CLARENCE BOLIN.

Application No. 557/Cal/78 filed May 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Gas-insulated electrical apparatus having a vertically disposed gas-insulated termination which comprises hollow insulating shell, a termination conductor disposed within said insulating shell, support means for supporting said termination conductor within said insulating shell, and a first insulating gas disposed within said insulating shell and electrically insulating said termination conductor from said insulating shell, a horizontally disposed gas-insulated transmission line comprising an outer sheath, an inner conductor disposed within said outer sheath, support means for insulatively supporting said inner conductor within said outer sheath, and a second insulating gas disposed within said outer sheath and electrically insulating said inner conductor from said outer shell, a horizontally disposed gas-insulated transmission line section to said insulating shell and at a second end section to said outer sheath, a transition conductor disposed within said outer housing and fixedly secured at a first end section to said termination conductor and at a second end section to said inner conductor, and a third insulating gas disposed within said outer housing and electrically insulating said transition conductor from said outer housing, and means for supporting said termination comprising a base, a frame member fixedly secured to said outer housing and extending outwardly therefrom, and means for slidably supporting said frame member on said base.

Comp. Specn. 14 pages

Dig. 1 Sheet.

CLASS 32F₁, & F_{2b} & S5D. 149 651.
Int. Cl.—C07d 31/24, 31/50,
A01n 9/12, 9/20, 9/22, 9/24.

PROCESS FOR PREPARING 3-PHENYL-5-SUBSTITUTED-4 (1H)-PYRIDONES (THIONES).

Applicant : ELI LILLY AND COMPANY, AT 307 EAST MCCARTY STREET, CITY OF INDIANAPOLIS, STATE OF INDIANA, UNITED STATES OF AMERICA.

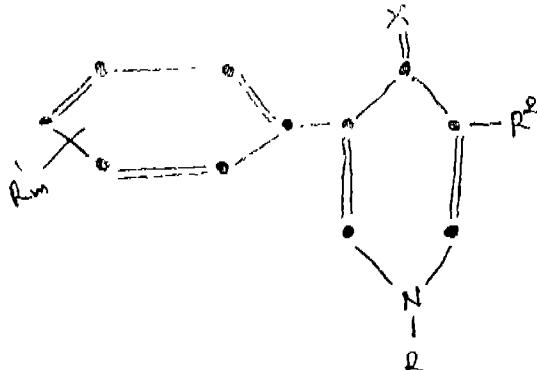
Inventor : HAROLD MELLON TAYLOR.

Application No. 567/Cal/78 filed May 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

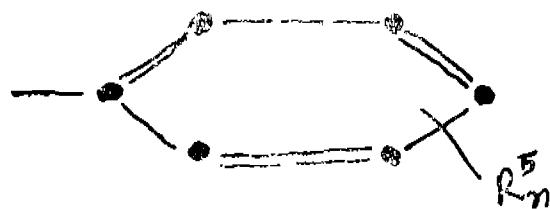
6 Claims.

A process for preparing a compound of the formula I.

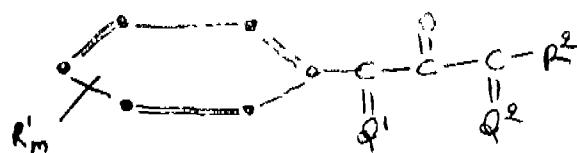


wherein : X is oxygen R is methyl, ethyl, acetoxy or hydroxy; the R₁ groups independently are halo; C₁-C₄ alkyl; C₁-C₄ alkyl substituted with halo; nitro; carboxy, hydroxy; C₁-C₂ alkoxy-carbonyl; -O-R³; -S-R⁴; -SO-R⁵; or -SO₂-R⁶.

R³ is C₁-C₂ alkyl; C₁-C₂ alkyl substituted with halo; benzyl or phenyl R² is cyano; C₁-C₃ alkoxy-carbonyl; C₁-C₄ alkyl; C₁-C₄ alkyl substituted with halo, hydroxy or C₁-C₃ alkoxy; thieryl; -O-R⁴; -S-R⁵; -SO-R⁶; -SO₂-R⁷; or group of formula A.



R⁴ is C₁-C₆ alkyl; C₁-C₄ alkenyl; benzyl, phenyl; or phenyl substituted with trifluoromethyl, halo, C₁-C₃ alkyl, nitro, C₁-C₃ alkylthio or C₁-C₃ alkoxy; the R⁵ groups independently are halo; C₁-C₄ alkyl; C₁-C₄ alkyl substituted with halo; nitro; carboxy; hydroxy; C₁-C₂ alkoxy-carbonyl; -O-R⁶; -S-R⁶; -SO-R⁶; or -SO₂-R⁶; R⁶ is C₁-C₂ alkyl; C₁-C₂ alkyl substituted with halo; benzyl; or phenyl; m and n independently are 0, 1 or 2; provided that when X is oxygen, R is methyl, and R₂ is unsubstituted phenyl, then m is 1 or 2; and the acid addition salts thereof; which process is characterized by reacting a compound of the formula II.



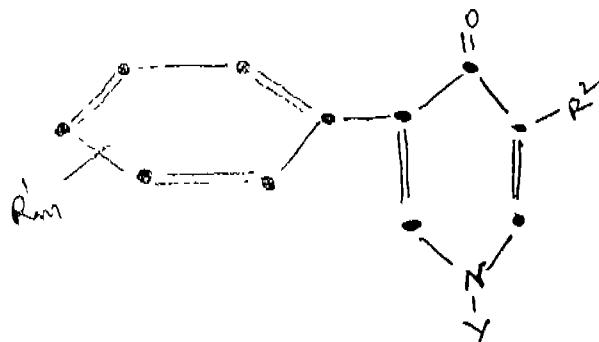
wherein R¹, R² and m are defined above, and Q¹ and Q² are independently selected from the group consisting of

=CHOH AND
=CHN (R⁷)₂

in which the R⁷ groups independently are C₁-C₃ alkyl, or the R⁷ groups combine with the nitrogen atom to which they are attached to form pyrrolidino, piperidino, morpholino or N-methylpiperazino; with a compound of the formula



wherein Y is hydrogen, hydroxy, methyl or ethyl to provide a compound of the formula III.



optionally followed by alkylating or esterifying in a conventional manner the compound of Formula III wherein Y is hydrogen or hydroxy respectively to provide the corresponding compound wherein Y is R; and, if desired, recovering the product in the form of an acid addition salt;

Comp. Specn. 71 Pages.

Digs. 2 Sheet.

CLASS 35E & 85B & E.

149652.

Int. Cl.-C04b 35/48, I 27 1/00, I 1/18.

PROCESS FOR PREPARING ZIRCON BASED SLIDING AND FIXED PLATES FOR USE IN SLIDING VALVE SYSTEM.

Applicant & Inventor : SHYAM SUNDAR GHOSE, OF BIIJ PAHAR REFRactories LTD., OF BELPAHAR, ORISSA, INDIA.

Application No. 695/Cal/78 filed June 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for preparing zircon based refractory sliding and fixed plates for use in sliding gate valve system in the teeming of steel which comprises preparing a raw mix from

Fused Al ₂ O ₃ (99% al ₂ O ₃)	55 - 75%
Zircon Sand	5-20%
Zircon Flour (-200 mesh)	15-25%
Zirconia ,	0-5%
Plastic Bond Clay	1-3%

adding required quantities of water to the mix, preparing a mouldable mixture, moulding the said mouldable mixture to required shape and there after firing the shaped material at required temperature from 1500°C to 1600°C.

Comp. Specn. 8 Pages.

Digs. Nil.

CLASS : 129Q.

149653.

Int. Cl.-B23k 37/00.

MEANS FOR PRECISE ALIGNMENT OF A WELDING DEVICE.

Applicant : GELENKWELLENBAU GMBH., WESTENDHOF 7-9, 4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : LUMMER FRIDOLIN.

Application No. 829/Cal/78 filed July 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Means for precisely aligning a device for welding two workpieces held in a rotating workpiece holder, for producing a welded seam, comprising a holder on which the welding device is fitted, which holder adapted to be moved in direction parallel to the axis of rotation of the workpiece holder and a signaler fitted to the holder for indicating the welding position of the said device without contacting the welding position of the said device or the workpiece.

Comp. Specn. 9 Pages.

Dig. 4 Sheets.

CLASS : 32F,b & 55E.

149654.

Int. Cl.-C07d 49/14.

A METHOD OF PREPARING 4-SUBSTITUTED BENZOYL DERIVATIVES OF 1-PHENYL-3-METHYL-PYRAZOLON-5.

Applicant : DSO "PHARMACHIM" OF 16, JIIFNSKO CHASSIE, SOFIA, BULGARIA.

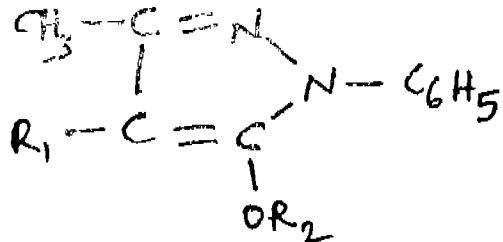
Inventors : AI EVTINA VASSILYEVNA TEREBOVINA, NIKOIA YORDANOV PETROV, BOJIDAR IVANOV YORDANOV AND GEORGI BORISOV STOIMENOV.

Application No. 939 Cal/78 filed August 25, 1978.

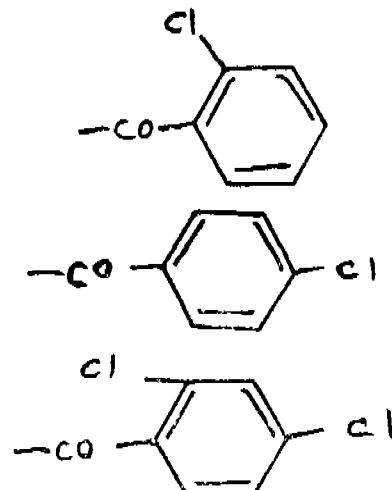
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

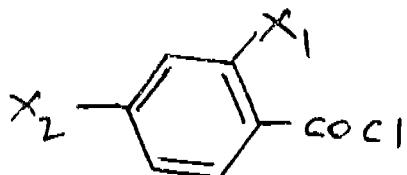
A method of preparing 4-substituted benzoyl derivatives of 1-phenyl-3-methyl-pyrazolon-5 of the general formula shown in Fig. 4.



wherein R₂ denotes hydrogen and R₁ denotes a radical selected from the group shown in Figs. 5 to 7.



which method comprises reacting 0.0285M of 1-phenyl-3-methyl-pyrazol-5 with 0.0285M of benzoyl chloride of the formula shown in Fig. 8.



wherein X1 and X2 denote hydrogen or chlorine provided both X1 and X2 do not denote hydrogen simultaneously in a medium of a solvent ethanol at a temperature between 40°C to 50°C.

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS : 139A. 149655.
Int. Cl.-F23j 1/00, C09c 1/48, 1/50

A CONTINUOUS PROCESS FOR RECOVERING THE SOOT FROM AN AQUEOUS SUSPENSION CONTAINING SAID SOOT.

Applicant : A.S.E.D., OF AVENUE DE LA RENAISSANCE 12-B-1040 BRUSSELS (BELGIUM).

Inventor : RAYMOND VAN DERAERSCHOT.

Application No. 1151/Cal/78 filed October 24, 1978.

Convention date November 2, 1977/(45542/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A continuous process for recovering the soot from an aqueous suspension containing said soot obtained in the preparation of a synthesis gas, which comprises intimately contacting the aqueous suspension with at least a part of the liquid hydrocarbonaceous material feeding a synthesis gas generator and recycling into said gas generator the suspension of soot in the liquid hydrocarbonaceous material after separation of a clarified water phase by decantation, the aqueous suspension containing the soot being continuously brought intimately into contact with the liquid hydrocarbonaceous material in an amount of at least 10 times the weight of the soot contained in the aqueous suspension by mixing the aqueous suspension and the liquid hydrocarbonaceous material in two successive continuous steps in such a way that a step-wise rising amount of energy is used for said mixing, the energy amount used in the first mixing step being of 2,100 to 7,200 Joules per kilogram of soot so as to obtain a substantially complete and continuous transfer of the soot from the aqueous suspension to the liquid hydrocarbonaceous material, and the energy amount used in the second mixing step being of 10,800 to 33,500 Joules per kilogram of soot so as to reduce the water content of the liquid hydrocarbonaceous material to such an extent that the obtained hydrocarbonaceous material, containing substantially all the soot and having the reduced water content, which is separated from the clarified aqueous phase by decantation, can be recycled into said gas generator whereas the aqueous phase is clear and can be disposed of.

Comp. Specn. 21 Pages.

Drgs. Nil.

CLASS 206C. 149656.
Int. Cl.-H04b 7/20.

IMPROVEMENTS IN OR RELATING TO GROUND STATION ANTENNA AND SATELLITE COMMUNICATIONS TRANSMISSION SYSTEMS HAVING THE SAME.

Applicant : SIEMENS AKTIFNGESELLSCHAFT, OF BERLIN AND MUNICH, GERMANY (WEST).

Inventor : HELMUT MAHNER.

Application No. 1205/Cal/77 filed August 4, 1977.

Convention date May 25, 1977/(21989/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A ground station antenna for a satellite communication transmission system which has its main beam axis substantially aligned on a satellite in a geostationary orbit, the radiation polar diagram of the antenna possessing a first 3-dB beam width of between 0.2° and 2° in a first sectional plane, and a 3-dB beam width of between 2° and 20° in a second sectional plane at right angles to said first plane, the ratio of 3-dB beam-widths in the first and the second planes being ≤ 0.25 , and the first sectional plane being substantially in the plane defined by the antenna main beam axis and a tangent to the geostationary orbit at its intersection point with this axis and in consequence of the considerable difference in the 3-dB-beam width in the two orthogonal sectional planes and oblong shape of the antenna whose ratio of width to length is relatively small and essentially corresponds the ratio of the first 3-dB beam width to the second 3-dB beam width.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS : 195D. 149657.
Int. Cl.-A01j 5/04, G01f 3/00, F16k 21/00.

A LIQUID FLOW SENSING DEVICE.

Applicant : DELTA PLASTICS LIMITED, OF 931 TREMAINE AVENUE, PALMERSTON NORTH, NEW ZEALAND.

Inventor : PAUL SLATER.

Application No. 138/Cal/78 filed February 7, 1978.

Convention date February 11, 1977/(183315/77) New Zealand.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A liquid flow sensing device comprising control means which is movable between first and second positions when the flow rate is respectively low and high, and biasing means to bias said control means to said first position in combination with a valve unit characterised in that said valve unit comprising a liquid inlet, a liquid outlet, a first section movable in response to movement of said control means, a second section having first and second ports, said second section being fixed relative to a support, a liquid flow passage connecting said inlet and outlet, a third section which is movable independently of said first and second sections and has means for disconnecting said flow passage from said inlet and outlet, means for connecting said first and second ports together and means for coupling said third section to said first section such that as said control means moves from said second position to said first position it moves both the first and third sections relatively to said second section so that the flow passage is disconnected from said inlet and outlet and said first and second ports are connected by said port connecting means.

Comp. Specn. 16 Pages.

Drg. 3 Sheets.

CLASS : 32B & F, & 40B. 149658.
Int. Cl.-C07e 1/02, 1/16, 9/04, 31/04, B01j 11/22.

A PROCESS FOR OBTAINING METHANE ETHANE AND OTHER HYDROCARBONS AND ALCOHOL FROM HYDROGEN AND AN OXIDE OF CARBON.

Applicant & Inventor : MEHMET N. OZYAGCILAR, AT 175 POPLAR PLAINS ROAD IN THE CITY OF TORONTO, PROVINCE OF ONTARIO, CANADA.

Application No. 155/Cal/78 filed February 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims. No drawings.

A method of obtaining methane ethane and other hydrocarbons and alcohols, which mixture consists predominantly of methane, by means of contacting hydrogen and at least one oxide of carbon at synthesis proportions and at synthesis conditions, in the presence of a synthesis accelerating cata-

lyst, characterized in that, for the purpose of increasing process effectiveness, as catalyst is used an iron-titanium alloy with a mole ratio of total titanium to total iron of greater than 0.5:1, but not exceeding 3.4:1, which catalyst has been activated by hydriding using hydrogen and dehydrating by outgassing hydrogen.

Comp. Specn. 21 Pages.

Drgs. Nil.

CLASS : 40F & 136C & E.

149659.

Int. Cl.-B29f 5/00, 7/00.

A CURING APPARATUS FOR THE PRODUCTION OF SHAPED ARTICLES OF CROSS-LINKED POLYMERIC MATERIAL.

Applicant : DAINICHI-NIPPON CABLES, LTD., OF NO. 8, NISHINO-CHO, HIGASHIMUKAIHIMA, AMAGASAKI-SHI, HYOGO, JAPAN.

Inventor : MASAAKI OTSUJI.

Application No. 305/Cal/78 filed March 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A curing apparatus for the production of shaped articles of cross-linked polymeric material such as cross-linked polymeric material insulated wires comprising a curing tube, means for heating the curing tube by the direct passage of electric current in the tube over part or the whole of its length, and a power supply provided for the heating means and having one terminal connected to the opposite ends of the voltage applying section of the tube and the other terminal connected to the tube at a position where the voltage applying section is divided into one portion on the inlet side of the tube and the other portion on the outlet side thereof, the inlet-side portion being lower than the outlet-side portion in electric resistance, the improvement is that the said curing tube being from 1 to 20 metres in length and 3 to 20 mm in wall thickness and being made of a material the volume resistivity of which is 1 to 103 Ω cm (microhm-cm).

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS : 191

149660.

Int. Cl.-B41j 11/00.

A PAPER SUPPORT ROLL MECHANISM FOR USE IN A TELETYPEWRITER OR OTHER SUCH PRINTING DEVICE

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : MANFRED NEUFELD.

Application No. 382 Cal/78 filed April 7, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A paper support roll mechanism for use in and carried by a printing device such as teletypewriter comprising : a roll having a shaft therethrough which shaft is mounted between two support members having openings therein, the said shaft being held by a bearing support bracket mounted to outer side of each support member and secured to the support member by use of a friction fit, the brackets, being also secured to support members by providing key-shaped apertures in the support members wherein is disposed a key-like shaped locking sleeve carried by the bracket so that by rotating the bracket through 90° after insertion, a bayonet type fit between the support member and the locking sleeve is formed to ensure that the bearing bracket remains in its intended location the bearing bracket having means to support the ends of a cutting plate.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS : 35E & 85B & E.

149661.

Int. Cl.-C04b 35 36, 35/48, /F27 1/00, 1/18.

PROCESS FOR PREPARING DEAD BURNT MAGNESITE BASED REFRACTORY SLIDING AND FIXED PLATES FOR USE IN SLIDING GATE VALVE SYSTEM.

Applicant & Inventor : SIIYAM SUNDAR GHOSE, OF BELPAHAR REFRACTORIES LTD., OF BELPAHAR, ORISSA.

Application No. 696/Cal/78 filed June 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for preparing dead burnt magnesite based refractory sliding and fixed plates for use in sliding gate valve system in the teeming of steel which comprises preparing a raw mix by admixing.

D. B. Magnesite	70—95%
Fused Al2O3 (+95% Al2O3)	5—30%
Zircon Flour (-200 mesh)	1—3%
Titanium Dioxide	0.5—2%

} Over 100

adding required quantity of water to prepare a mouldable mixture, moulding the mouldable mixture to desired shape followed by fixing the shaped product to required temperature 1500°C to 1600°C.

Comp. Specn. 7 Pages.

Drgs. Nil.

CLASS : 128-I.

149662.

Int. Cl.-A62b 18/00.

MASK BODY FOR FACE AND FOREHEAD COVERING MASKS RESPIRATORS FOR RESPIRATORY PROTECTION.

Applicant : VEB KOMBINAT MEDIZIN-UND LABORTECHNIK LEIPZIG, OF FRANZ FLEMINGSTRASS 43-45, 7035 LEIPZIG, EAST GERMANY.

Inventors : HORST SCHURIG, WALTER CORNER, STEFEN ZEMELKA, GLAUS KRUGER, RUDOLF MULIER AND FRITZ FORTSCH

Application No. 495/Cal/78 filed May 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Mask body or face and forehead covering masks for respiratory protection which possesses in the region of the chin rest an external contour being adjusted to the chin region and representing a chin pocket, characterized by the following features : The mask body (1) in the front region of chin and cheek between the mask window case (4) and the packing wash (3) is profiled bilaterally convex to outwards and possesses in the pivotal point a supporting edge, the parts of the packing washer (3) being arranged in the chin-cheek region are tensioned to the top of the convex form and to the mask body margin (2) which with the mask body margin (2) moved to outwards constitutes at the same time the rotation axis for the packing washer (3).

Comp. Specn. 5 Pages.

Drg. 1 Sheet.

CLASS : 83A

149663.

Int. Cl.-A23I 1/36.

METHOD OF MAKING COMMINUTED HYDRATED PLANT PRODUCTS.

Applicant : JAMES W. GARDNER ENTERPRISES INC., OF 309 WASHINGTON AVENUE, TYRONE, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : JAMES RUSSELL BANKLEY.

Application No. 992/Cal 78 filed September 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings.

The method of making comminuted hydrated peanut products, comprising the sequential steps of mechanically blanching dehydrated shelled whole peanuts at ambient temperature, whereby the skins are fully removed therefrom, adding moisture to or removing moisture from the blanched nuts to bring the moisture content of the blanched nuts to 3% to 8% by weight and pressing the blanched whole nuts under pressure of 2000 to 5000 psig to remove a substantial portion of the fat therefrom without breaking the nuts cooking said whole and partially defatted blanched peanuts in the presence of plain water in a weight ratio of at least 1 part nuts to 3 parts of water at a temperature between 150°F and 300°F in a closed vessel when at temperatures above the boiling point for a period of ten to sixty minutes to gelatinize the starch and coagulate the proteins in said peanuts and hydrate the peanuts to a pre-selected moisture content whereby the nuts absorb an amount of water substantially equal to the weight of the nuts.

Comp. Specn. 17 Pages.

Drgs. Nil.

CLASS : 80H.

149664.

Int. Cl.-B01d 21/00.

SEDIMENT RAKING DEVICE.

Applicant : ALUMINIUMIPARI TERVEZO ES KUTATO INTEZET, OF BUDAPEST, HUNGARY.

Inventors : JOSEF BONA, LASZLO MAHIG, MIHALY MARTON AND JANOS STEINER.

Application No. 1142/Cal/78 filed October, 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A sediment raking device for sedimentation tanks comprising : a : a centrally arranged rotatable torque tube; b. drive means for rotating said torque tube around a vertical axis; c. a pair of radially arranged booms cantilevered to said torque tube at an elevated level; d. a radially disposed rake arm at a lower level arranged for rotation with said torque tube above the bottom of a sedimentation tank; e. said rake arm having an angular displacement in a horizontal plane relative to said booms by an acute angle of preferably 45°; f. rake blades transversely arranged on said rake arm adapted to be pulled over the bottom of said sedimentation tank substantially parallel thereto; g. draft means connecting an outboard point of each of said booms with said rake arm at spaced-apart support points; h. a link rod between said rake arm and said torque tube, said link rod being connected to said rake arm by a hinge, and to said torque tube by a universal joint.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS : 47E.

149665.

Int. Cl.-C10b 29/00.

A DEVICE FOR USE WITH COKE OVENS.

Applicant : DR. C. OTTO & COMP. GMBH., OF CHRISTSTRASSE 9, 463 BOCHUM, WEST GERMANY.

Inventor : ERICH PRIES.

Application No. 1091/Cal/78 filed October 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A device for use with coke ovens and in which a water seal forms the bottom closure of the downwardly extending

pipe connecting the top end of the ascension pipe to the gas main, characterised in that a aspirator (21) operable in association with charging is so disposed that communication between the pipe (17) and the gas main (19) is by way of the aspirator (21).

Comp. Specn. 10 Pages.

Drg. 5 Sheets.

149666.

Int. Cl.-D01d 9/00, 11/00.

IMPROVED PROCESS AND DEVICE FOR THE CONTINUOUS SPINNING OF VISCOSE RAYON.

Applicant : SNIA VISCOSA SOCIETA' NAZIONALE INDUSTRIA APPLICAZIONI VISCOSA S.p.A., 18, VIA MONTEBELLO, MILANO, ITALY.

Inventors : UGO PAOLETTI AND ALESSANDRO VOLTERRA.

Application No. 1116/Cal/78 filed October 16, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Process for the continuous spinning of viscose rayon, where in each rayon yarn is caused to travel in a substantially helical path while it is subjected to a plurality of liquid treatments followed by a drying treatment, characterised in that, before the drying treatment, a blade of air is blown upon one or more than one coil of the yarn located immediately before the thermal drying zone, whereby to eliminate a part of the water by pneumatic action.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

149667.

Int. Cl.-B24c 5/00.

A CONTINUOUS DRUM BLASTING MACHINE.

Applicant : GEORG FISCHER AKTIENGESELLSCHAFT, SCHAFFHAUSEN, SWITZERLAND.

Inventors : SERGEJ TOEDTLI AND EMIL BERN.

Application No. 61/Cal/79 filed January 20, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A continuous drum blasting machine for the continuous passage of workpieces therethrough and concurrent blasting of the workpieces therethrough and concurrent blasting of the workpieces therein with streams of blasting medium including at least one blasting drum rotatable about an inclined axis with respect to the horizontal, the diameter of said at least one blasting drum decreasing in the direction of passage, and wherein the apparatus includes at least one blast wheel means for projecting blasting medium into said drum, said means for projecting being mounted at the largest diameter end of said drum.

Comp. Specn. 16 Pages.

Drg. 5 Sheets.

149668.

Int. Cl.-C22b 5/12, C21b 13/00.

PROCESS FOR PRODUCTION OF SPONGE METAL BY GASEOUS REDUCTION OF METAL ORES.

Applicant : HYISA, S.A. OF APARTADO NUM. 1423, MONTERREY, N.L. REPUBLIC OF MEXICO.

Inventors : HECTOR LOPEZ RAMOS AND LEOBARDO CHAPA MARTINEZ.

Application No. 63/Cal/79 filed January 20, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the production of sponge metal by the cyclical batchwise reduction of a metal oxide in which the metal oxide is contacted with a hot reducing gas in a multiple-unit reactor system of the type in which separate fixed beds of metal-bearing material are simultaneously treated in a plurality of interchangeable reactors including at least one cooling reactor and at least one reduction reactor, a cool reducing gas is passed through at least one cooling reactor of said system, heated and then passed through at least one reduction reactor of said system for an operating cycle of predetermined duration to reduce the metal oxide to sponge metal, and at the end of an operating cycle the reactors are functionally interchanged, characterized in that during a first time period of said operating cycle at least a portion of the cool reducing gas is passed in series through beds of sponge metal in a first and second cooling reactor before being heated and passed through a reduction reactor of said system and during a second time period of said operating cycle said first cooling reactor is disconnected from said system for discharge of cooled sponge metal therefrom and charging of fresh ore thereto and the cool reducing gas flow directly to the bed of sponge metal in said second cooling reactor.

Comp. Specn. 21 Pages.

Drg. 2 Sheets.

CLASS : 108C₁ & C₂.

149669.

Int. Cl.-C21c 5/00.

TENSIONING DEVICE FOR TENSION ELEMENTS ON METALLURGICAL CONTAINERS, ESPECIALLY ON INTERCHANGEABLE CONVERTERS.

Applicant : DEMAG AKTIENGESELLSCHAFT, WOLFGANG-REUTER-YLATZ, D-4100 DUISBURG-1, FEDERAL REPUBLIC OF GERMANY.

Inventors : ERHARD PFEIL, WOLFGANG JANSA AND PAUL WALDHORST.

Application No. 84/Cal/79 filed January 25, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Apparatus for providing a permanently fixed tension mounting for interchangeable metallurgical converter vessels, comprising

(a) an annular support for said vessels; (b) bearing extensions fixed on said vessels; (c) opposed cooperating bearing surfaces on said annular support and said bearing extensions; the improvement characterized by : (d) a plurality of circumferentially spaced elongated vertical tension elements extending between said opposed bearing surfaces; (e) an anchor head on one end of each of said tension elements; (f) a tightening nut on the opposite end of each of said tension elements from said anchor head; (g) at least one fluid actuated piston-cylinder means concentric with each said elongated tension element; and (h) each said piston-cylinder means extensible with the longitudinal extent of its respective tension element; (i) whereby upon mounting a said metallurgical vessel in said annular support and the tensile force thereof going through each said anchor head, each said tension element, its respective tightening nut, and the opposed bearing surfaces form a closed circle of force.

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

CLASS : 154D.

149670.

Int. Cl.-A41f 3/48.

APPARATUS FOR INTERMITTENT PRINTING.

Applicant : STORK BRABANT B.V., OF 43A WIM DE KORVERSTRAAT, BOXMEER, THE NETHERLANDS.

Inventor : JACOBUS GERARDUS VERTEGAAL.

Application No. 94/Cal/79 filed January 30, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for intermittent printing comprising a plurality of printing cylinders, an endless band having a reach with first and second opposed sides, said first side supporting a material to be printed and movable below said printing cylinders in contact therewith, a plurality of supporting rollers each mounted on a shaft supporting the second side of said endless band and each of said rollers opposed from a respective printing cylinder, means attached to each said supporting roller for displacing individually a said supporting roller in a transverse direction away from and toward a said respective printing cylinder, a suction chamber enclosing said plurality of supporting rollers and having an open face engageable with the second side of said endless band said suction chamber having opposed side walls and said shafts traversing said side walls, said suction chamber maintaining a pressure on the supported second side of the band less than the atmospheric pressure acting upon the other first side of the band, each of said side walls having displaceable wall portions with said shafts extending therethrough, each of said wall portions comprising plates in overlapping relationship with a fixed side wall of the suction chamber and at the locations of the extending shafts and capable of vertical displacement to maintain close contact between the open face of the suction chamber and the second side of the endless band when the support roller is displaced away from its respective printing cylinder to interrupt the printing of that cylinder upon the material supported upon the band.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS : 186B.

149671.

Int. Cl.-H041 5/00.

AN APPARATUS FOR TRANSMISSION OF TELEGRAPHIC SIGNALS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : OSKAR HOTZEL AND NORBERT SKOBANEK.

Application No. 160/Cal/79 filed February 21, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An apparatus for transmission of telegraphic signals over a line by means of d.c. keying, comprising an operational amplifier having a first input for receiving signals to be transmitted and a second input connected to receive a negative feedback signal from a measuring resistor connected in the line thereby providing line current regulation, and resistor-capacitor elements connected to the operational amplifier to form an active filter for flattening of the telegraphic signals.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLASS : 108C₈.

149672.

Int. Cl.-C21c 7/02, C21c 1/02.

METHOD FOR DFSULPHURIZING MOLTEN IRON IN VESSELS.

Applicant : INSTITUT CHERNOI METALLURGI, OF DNEPROPETROVSK, ULITSA GENEVARA PUSHKINA, 1A, USSR.

Inventors : NATALYA ALEXANDROVNA VORONOVA, ANATOLY FILIPOVICH SHEVCHENKO, MORIS LEONIDOVICH LAURENTIEV, IVAN FEDOROVICH GORBENKO, NIKOLAI PETROVICH OSTAPCHUK AND ALEXANDR NIKOLAEVICH MAIKOV.

Application No. 194/Cal/79 filed March 2, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A method for desulphurizing molten iron in vessels by injecting dispersed magnesium into the bath of molten iron through a bell-mounted lance at a rate of 0.2 to 1.8 g/s per ton of molten iron, with the velocity of injection being from 0.04 m/s to 10 m/s.

Comp. Specn. 24 Pages.

Drg. 1 Sheet.

CLASS : 129H.

149673.

Int. Cl. B23q 11/00.

METHOD OF HOT MACHINING OF METALLIC ARTICLES AND A MACHINE TOOL FOR EFFECTING THE SAME.

Applicant : THE TATA IRON & STEEL CO., LTD., JAMSHEDPUR, BIHAR, INDIA.

Inventor : BIRENDRA BHUSAN PRASAD.

Application No. 283/Cal/79 filed March 22, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method of hot machining of metallic articles comprising the steps of subjecting the area of the surface of the article, which is being cut to localised intense and concentrated heating by a plasma torch and carrying out the conventional machining in the normal manner.

Comp. Specn. 8 Pages.

Drg. 3 Sheets.

CLASS : 120C₁ & 145D.

149674.

Int. Cl. B31f 1/14, D21g 3/00, F16c 33/00.

AN IMPROVED FORCE FEED LUBRICATION SYSTEM FOR DOCTOR BEARINGS FOR DOCTOR BLADES IN A PAPER MAKING MACHINE.

Applicant : BELOIT CORPORATION, OF BELOIT, WISCONSIN, U.S.A.

Inventor : JOHN FRANCIS SCHMAENG.

Application No. 591/Cal/79 filed June 7, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An improved force feed lubricated bearing system such as for a doctor bearing in a paper making machine comprising in combination: a doctor shaft having a journal axially oscillatable; an annular bearing housing surrounding the journal and having a bearing surface element in supporting sliding engagement with the journal with first and second annular spaces between the journal and bearing housing at the ends of the bearing surfaces; first and second annular outer end seals at the axial outer ends of said annular spaces and being mounted for axial movement with the journal; first and second annular inner lip seals spaced axially inwardly of said end seals and forming lubrication pressure chambers between the lip seals and end seals permitting the axial outward flow of lubricant to pass the lip seals and preventing the axial flow of lubricant in an inward direction; first and second lubrication flow passages in the housing communicating respectively between said pressure chambers and said bearing surface; and check valves in each of said passages permitting flow from said pressure chambers to the bearing surface and preventing reverse flow therin.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS : 32F, & F₂a & 55D₁.

149675.

Int. Cl. C07c 69/52, 69/62, 69/76, A01n 9/00.

A PROCESS FOR THE MANUFACTURE OF NOVEL CARBOXYLIC ACID ESTERS FOR PEST CONTROL.

Applicant : BASF AKTIENGESELLSCHAFT, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.
2-487GI/81

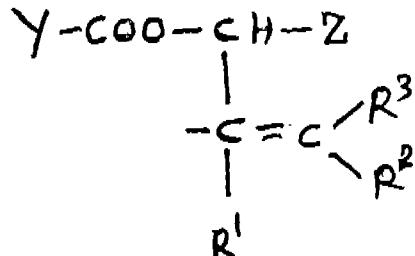
Inventors : GERD-ULRICH SCHWARZ, KARL KIEHS AND HEINRICH ADOLPHI.

Application No. 1219/Cal/79 filed November 21, 1979.

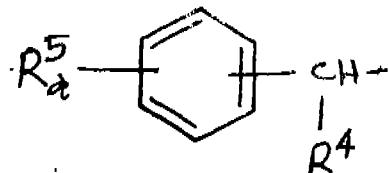
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

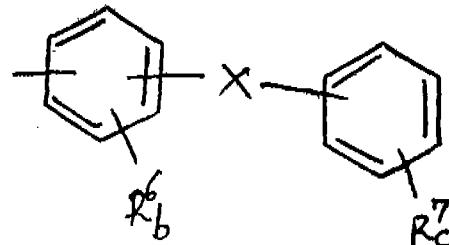
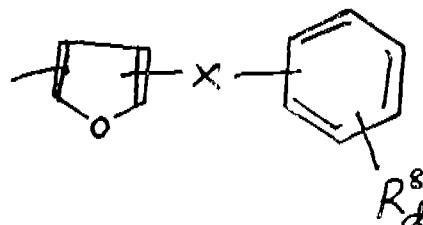
A process for the manufacture of a carboxylic acid ester of the formula I shown in Fig. 1.



wherein R¹, R² and R³ are identical or different and each is hydrogen, halogen or alkyl or alkenyl of up to 5 carbon atoms, Y is 3-(2, 2-dihalogenovinyl)-2, 2-dimethyl-cyclo-propyl or a radical of the formula shown in Fig. 2.



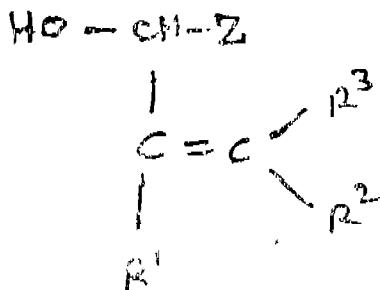
wherein R⁴ is unbranched or branched alkyl, alkenyl or alkynyl of up to 4 carbon atoms or is an alicyclic radical of 3 to 7 carbon atoms, R⁵ is halogen, alkyl or alkoxy of up to 5 carbon atoms, trihalomethyl, cyano or nitro and a is from 0 to 3 and Z is a radical of the formula shown in Figs. 3 or 4.



wherein X is oxygen, sulfur of -CH₂-; R⁶, R⁷ and R⁸ are halogen or alkyl, alkoxy or haloalkyl of up to 5 carbon atoms, and b, c and d are from 0 to 3, wherein an acid halide of the formula II.



where Y has the meanings given heretofore and Hal denotes halogen, is reacted in the presence of an acid-binding agent with a compound of the formula III shown in Fig. 5.



where R^1 , R^2 , R^3 and Z have the meanings given heretofore, at from -10° to $+150^\circ\text{C}$ and in the presence or absence of an inert organic solvent or diluent.

Comp. Specn. 36 Pages.

Drg. 4 Sheets.

CLASS : 116G. 149676.
Int. Cl.-B65g. 53/20.

A PNEUMATIC CONVEYING APPARATUS FOR CONVEYING PULVERULENT MATERIAL.

Applicant : ALUMINIUM PECHINEY, OF 28 RUE DE BONNEL, 69003 LYON, FRANCE.

Inventors : HANROT JEAN-PASCAL AND VOLPEL-LIERE JACKY.

Application No. 194/Del/78 filed March 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

A pneumatic conveying apparatus for conveying pulverulent material comprising a feed column for feeding the said material, a material forwarding chamber in operational association with said feed column, said material forwarding chamber having a porous fluidisation wall within it, a gas feed tube connected to said feed chamber for admitting a selected flow of gas at super-pressure, said gas feed tube having an injector situated above said porous fluidisation wall, a pneumatic conveyor tube provided in said forwarding chamber facing the feed tube, the pneumatic conveying tube having a nozzle at its end facing the gas feed tube, the axis of the gas feed tube being arranged to lie in the axis of the orifice of the pneumatic conveying tube, a fluidisation gas supply tube connected to said forwarding chamber below the said porous fluidisation wall for supplying fluidisation gas, said fluidisation gas supply tube having control means for controlling the flow of gas therethrough, the arrangement being such that when the material to be pneumatically conveyed is fed to the material feed tube, talus formed at the foot of the feed tube by the build-up of material in the space between the porous fluidisation wall and the lower end of the material feed tube is capable of being disturbed automatically by the regulated or controlled supply of fluidisation gas from the fluidisation gas tube provided therefor by the flow of fluidisation gas through the porous wall and the material to be conveyed in order to bring the material into the flow of the gas through the pneumatic tube, this being achieved by presetting a pressure P_f below the porous wall based on the desired flow of material in the pneumatic conveyor tube, the fluidisation gas passing through the fluidisation gas tube increasing with the decrease in a pressure (P_c) (to values below said preset pressure P_f) and which pressure P_c is built up over the fluidisation wall due to the build-up of material, and the flow of fluidisation gas through the fluidisation gas tube decreasing with the increase in the pressure P_c above the preset value of pressure P_f and which pressure P_c is developed by the material above

the fluidisation wall, this being so co-ordinated that the fluctuations in the pressure build-up above the fluidisation wall is immediately compensated by the flow of fluidisation gas such that the material flow rate through the pneumatic conveying tube is not disturbed.

Comp. Specn. 13 Pages.

Drg. 2 Sheets.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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AMENDMENT PROCEEDINGS UNDER SECTION 57.

Notice is hereby given that Sunkist Growers, Inc., a corporation organized and existing under the laws of the State of California, United States of America, of 14130 Riverside Drive, Sherman Oaks, State of California, United States of America, have made an application under section 57 of the patent Act, 1970 for amendment of specification of their application for patent No. 141770 for "Apparatus for automatically selecting between a plurality of generally spherical objects based on the optical transparency characteristics thereof." The amendments are by way of correction so as to describe and ascertain the invention more correctly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

MECHANICAL & GENERAL LIST 1

(1)

The following Patents in the field of Mechanical and General Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of Patents Act, 1970, in respect of calendar year, 1980, generally on account of want of requests for licences to work the Patented inventions.

Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of the invention
1	2	3	4	5
1.	104622	29-03-1966	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Shaped articles and their manufacturers.
2.	105195	10-05-1966	CATERPILLAR TRACTOR CO. 100 N.E. Adams Street, Peoria, Illinois 61629. U.S.A.	A system for controlling vibrations between articulately connected vehicle components.
3.	107832	04-11-1966	Do.	Hose and method of manufacture.
4.	108389	12-12-1966	Do.	Stabilizing means for earth moving scrapers.
5.	108585	26-12-1966	Do.	Resilient, stock absorbing device.
6.	108651	30-12-1966	PANDROL LIMITED 7 Rolls Buildings, Fitter Lane, London, E.C. England.	Concrete railway sleepers and rail-fastening arrangements employing them.
7.	109014	25-01-1967	SPECTRUM DIAMONDS (PROPRIETARY) LTD., 44 Main Street, Johannesburg, South Africa.	Holder for gem stones.
8.	109015	25-01-1967	Do.	Holder for gem stones.
9.	109540	01-03-1967	CATERPILLAR TRACTOR CO. 100 N. E. Adams Street, Peoria, Illinois, 61629, U.S.A.	A Tractor-Scraper Combination with resilient means to provide temporary support therefor.
10.	111227	23-06-1967	(i) KIYOYASU WAKE, No. 378, Knutachou, Setagaya-ku, Tokyo, Japan. (ii) FUJI MFG. CO. LTD., No. 135, Nokamasuki, Kawasaki-shi, Kanagawa-ku, Japan.	Magnetically actuated tumbler lock.
11.	111835	02-12-1965	PANDROL LTD. 7 Rolls Buildings, Fitter Lanc, London E.C. 4 England.	Retaining members for incorporation in concrete railway sleepers.
12.	112282	08-09-1967	CATERPILLAR TRACTOR CO., 100 N. E. Adams Street, Peoria, Illinois 61602, U.S.A.	Hydraulic control system for a multi-speed transmission.
13.	112283	08-09-1967	Do.	Hydraulic governor.
14.	112893	24-10-1967	Do.	Push-pull coupling for tractors-scrapers units.
15.	113245	20-11-1967	TRUTZSHCLER & CO. 407, Rhydtodenkirchen, West Germany.	A machine for opening cotton bales.
16.	113543	11-12-1967	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two way automatic slack adjuster.
17.	113612	20-12-1966	SPECTRUM DIAMONDS (PROPRIETARY) LTD. 44 Main Street, Johannesburg, S. Africa.	Apparatus for automatically developing a plurality of facets on gem stones.
18.	113613	20-12-1966	SPECTRUM DIAMONDS (PROPRIETARY LTD. 44 Main Street, Johannesburg, S. Africa,	Faceting gem stones.
19.	113799	26-12-1967	F. L. SMITH & CO. 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Method of and mills for grinding minerals materials.
20.	115346	08-04-1968	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two-way automatic brake adjuster.
21.	116118	28-05-1968	CATERPILLAR TRACTOR CO. 100 N. E. Adams Street, Peoria, Illinois 61602, U.S.A.	Two-piece master track link.
22.	116808	16-07-1968	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hand brake for railroad cars.
23.	116834	17-07-1968	Do.	Hand brake for railroad cars.

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24.	117542	03-09-1968	CATERPILLAR TRACTOR CO. 100, N. E. Adams Street, Peoria, Illinois 61602, U.S.A.	Articulated chain assembly
25.	117836	25-09-1968	TRUTZSCHLER & CO., Rhydt-odenkirchen, West Germany.	Apparatus for the pneumatic feeding of fiber tufts to spinning mill machinery.
26.	118320	19-03-1968	INGENOIR SUNNAR SCHEJELDERUP INDUSTRIOVNER, Nydalsveiru 21, 0510 4, Norway.	Device for preheating of Scrap iron.
27.	118808	30-11-1968	CATERPILLAR TRACTOR CO. Illinois 60704, U.S.A.	Replaceable tipper tip assembly.
28.	119800	11-02-1969	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Two way automatic brake adjuster.
29.	120826	09-04-1969	WAYNE EMIL JENSEN, P. O. Box 325, Glenwood, Illinois, 60425, U.S.A.	A traffic signal conversion unit and a traffic signal including said traffic signal conversion unit.
30.	123598	16-10-1969	E. I. DU PONT DE NEMOURS & CO. Wilmington, Delaware, U.S.A.	A permeation separation apparatus for separating fluids and process for such separation.
31.	124827	13-01-1970	MONSANTO CO. 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	A method of curing elastomeric article and apparatus therefor.
32.	124922	19-01-1970	METALLGESELLSCHAFT AG., 16 Frankfurt A. M. Reuforweg, 14, WEST GERMANY.	Process and apparatus for forming non-woven webs from thermo-plastic filaments and non-woven webs so formed.
33.	124948	20-01-1970	TRUTZSCHLER & CO., Duvenstr. 82-92, 407 Rheydt-odenkirchen, W. Germany.	Apparatus for the opening of textile fibre bales.
34.	125000	27-01-1970	SULZER BROTHERS LTD. Winterthur/ Switzerland.	Valve systems.
35.	125691	11-03-1970	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Sealed non-spin hand brake arrangement.
36.	125713	12-03-1970	SNAMPROGETTI S. P. A. 16 Corso Venezia, Milan, Italy.	Device for the banormaic radiography of weldings in metal pipings.
37.	125869	24-03-1970	ROBERT BOSCH EMBH, 7, Stuttgart-1, West Germany.	Fuel injection pumps.
38.	125970	30-03-1970	TMM (RESEARCH) LIMITED Holecombe Road, Haslingden, Rossendale, Lancashire BB 4, 4 NG England.	Open-end spinning devices.
39.	126567	08-05-1970	USS ENGINEERS AND CONSULTANTS INC., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for and method of protecting a sheet being electroplated with a metal.
40.	126608	11-05-1970	MINNESOTA MINING AND MANUFACTURING CO., 3M Centre, Saint Paul, Minnesota, 55101, U.S.A.	Wire-splicing apparatus and method.
41.	126658	13-05-1970	(i) B & J MANUFACTURING CO. Glenwood Illinois, 60425, U.S.A. (ii) WAYNE EMIL JENSEN C/o B & J MANUFACTURING CO. P. O. Box 325, Glenwood, Illinois, U.S.A.	Tire casing conditioning means and methods.
42.	126743	20-05-1970	USS ENGINEERS AND CONSULTANTS INC., 525, Williams Penn, Place, Pittsburgh, State of Pennsylvania, U.S.A.	Sliding-gate closure for bottom-pour vessel removable as a unit.
43.	127033	11-06-1970	CIMENTS LAFARGE, 28 Rue Emile, Menier, Paris XVI Sui, France.	Apparatus for the production of super white cement.
44.	127073	15-06-1970	COAL INDUSTRY (PATENTS) LTD., Hobart House, Grosvenor Place, London SW1, England.	Apparatus for heating liquids.
45.	127074	15-06-1970	GIRLING LIMITED, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic slack adjuster for vehicle brakes.
46.	127420	05-06-1971	CARBORUNDUM UNIVERSAL LTD., 11/12, North Beach Road, Madras-1, India.	A grinding and/or polishing attachment device.

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47.	128343	08-09-1970	HERMANN PAPST, Karl-maier Strasse, 1st, Georgen, Schwar 2-Wald, F. R. GERMANY.	A hollow body transporter for transporting utility gases.
48.	128386	11-09-1970	TEDECO TEXTILE DEVELOPMENT CO. A/S, Stl. Clave gate, 21 B 0510 1, Norway.	Apparatus for treatment of fabrics with liquid ammonia.
49.	128481	18-09-1970	LJDDCY OWENS FORD CO. 811 Madison Avenue, Toledo Ohio, U.S.A.	Method & apparatus for bending glasses shitts.
50.	128493	19-09-1970	DEMAG AG., 41 Duisburg Wolfgang-Reuter-platz, F.R. GERMANY.	Method and apparatus for cooling wide continuous metal castings particularly steel castings.
51.	128548	22-09-1970	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166 U.S.A.	Method of apparatus for improved extrusion of essentially inviscid jets.
52.	128566	23-09-1970	SHELL INTERNATIONALE RESEARCH MAATSHAPPIJ B. V., Cavel van Bylandtlaan 30, The Hague, The Netherlands.	A process for the removal of solid particles from an aqueous suspension thereof and an apparatus therefor.
53.	128597	25-09-1970	CATERPILLAR TRACTOR CO. 100 N. E. Adams Street, Peoria, Illinois 61602, U.S.A.	Cushioned track for earth working machines.
54.	128758	12-10-1970	SHELL INTERNATIONALE RESEARCH MAATSHAPPIJ B. V., Cavel Van Bylandtlaan The Hague, Netherlands.	Method and apparatus for the cooling of soot-containing gases.
55.	128934	21-10-1970	ASAHI GLASS CO. LTD., No. 1-2, Marunouchi, 2-chome, chiyoda-ku, Tokyo, Japan.	Method & apparatus for forming continuous sheet glass.
56.	129066	30-10-1970	VOJTH GETRIEBE KG, Heidenheim (B. senz) F. R. GERMANY.	Hydrodynamic reversing gear.
57.	129103	03-11-1970	ETABLISSEMENT SALGAD, Veduz, Liechtenstein.	Device for calculating the angular setting of the aiming attachment for grenade throwers.
58.	129126	06-11-1970	GIRLING LIMITED, King's Road, Tyseley, Birmingham 11, England.	Vehicle brakes.
59.	129133	06-11-1970	NATALE CANTONE, Corso M. Presti-nasi n. 1162, Vercelli, Italy.	Agricultural machine for tilling soil.
60.	129137	07-11-1970	BORGES FABRIKS AKTIEBOLAG, P. O. Box No. 242, 5-60-104, Norrkoping, Sweden.	An-aircraft barrier net.
61.	129138	07-11-1970	Do.	Improvements in air-craft arrester systems.
62.	129174	11-11-1970	Mitsubishi Jukogyo Kabushiki Kaisha, 5-1, Marunouchi 2-chome, chiyodaku, Tokyo, Japan.	Hydraulically loaded rolling mills.
63.	129199	12-11-1970	FEATHER INDUSTRIES, 1-600 Matsunari, Mino city, Gifu, Prefecture, Japan.	An operating knife.
64.	129211	12-11-1970	ESTABLISSEMENT SALGAD, Veduz, Liechtenstein.	Percussion fuse particularly for projectiles.
65.	129267	17-11-1970	NIPPON KOKAK KABUSHIKI, 1-3, 1-chome, Otemachi, Chiyoda-ku, Tokyo, Japan.	An improvement relating to coating of steel sheets.
66.	129330	20-11-1970	Do.	Abrasive grinding element.
67.	129375	24-11-1970	UDDEHOLMS AKTIEBOLAG, 68305, Hagfors, Sweden.	Method and device for accelerating the solidification of the drops in the manufacture of powder from a molten material and an apparatus for producing powder by atomizing molten material.
68.	129400	26-11-1970	BICC LIMITED, 21, Bloomsbury Street, London WC 1, England.	Processing of wires.
69.	129410	26-11-1970	THE OFFSHORE COMPANY, P. O. Box 2765, Houston, Texas 77001, U.S.A.	Drilling platform.
70.	129529	07-12-1970	EMHART INDUSTRIES, 950 Cottage, Groove Road, Bloomfield, State of Connecticut, U.S.A.	Molten glass gob and distribution system.

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71.	129638	17-10-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Cavel Van Bylandtlaan 30, The Hague, The Netherlands.	Apparatus and process for the preparation and cooling of a gas mixture containing hydrogen and carbon monoxide.
72.	129629	17-12-1970	UOP CO. Ten UOP Plaza-Algonquin of Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Heat transfer tube with porous boiling surface.
73.	129741	26-12-1970	WILHELM STAHLCKER G.m.b.H., 7341 Reichenbach, Wuerttemberg, WEST GERMANY.	Twin top roller for drafting system of spinning machines and a method of producing the same.
74.	129782	30-12-1970	GIRLING LIMITED, King's Road, Tysley, Birmingham 11, England.	Lock-actuators.
75.	129849	06-01-1971	DUNLOP COMPANY LTD., Dunlop House, Ryder Street, St. James London, S.W. 1, England.	Composite articles and assemblies particularly friction element assemblies thereof.
76.	129856	06-01-1971	JOHNSON & JOHNSON, 501, George Street, New Brunswick, New Jersey, U.S.A.	Conformable adhesive sheet.
77.	129880	08-01-1971	USS ENGINEERS AND CONSULTANTS INC., 525, Williams Penn-place, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for introducing gas to hot metal in a bottom-pour vessel.
78.	129884	08-01-1971	ETABLISSEMENT SALGAD, Vaduz, Liechtenstein.	Apparatus for storage and transport of projectiles particularly tin-stabilised projectiles.
79.	129998	19-01-1971	ETHICON INC., Sommerville, New Jersey, U.S.A.	Electro-polishing of drilled surgical needles and apparatus therefor.
80.	130009	20-01-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Cavel Van Bylandtlaan 30, The Hague, The Netherlands.	Method for the automatic watching of an apparatus for the preparation and cooling of synthesis gas.
81.	130038	22-01-1971	GUSTAV SCHADE MASCHINEN-FABRIK, D-46 Dortmund, Am Rosen Platzchen 120, F. R. GERMANY.	Device for the removal of material from storage.
82.	130042	25-01-1971	GIRLING LIMITED, King's Road, Tysley, Birmingham 11, Warwickshire, England.	Mechanical couplings for frictional elements of brake.
83.	130085	28-01-1971	Do.	Mechanical couplings for shoe drum brakes.
84.	130095	28-01-1971	UBE INDUSTRIES LTD., 12-32, 1-chome, Nishi-hommochi, Uke-shi, Yamaguchi, Japan.	Apparatus and process for removing impurities from solid granules.
85.	130100	29-01-1971	DUNLOP HOLDINGS LTD., Dunlop House, Ryder Street, St. James, London S.W.1, England.	Printer's blankets.
86.	130141	02-02-1971	NIPPON KOKAN KABUSHIKI KAI-SHA, 1-3, 1-chome, Otemachi, Chiyodaku, Tokyo, Japan.	Method of blowing such fluid as reducing gas into a furnace and baring apparatus for use therein.
87.	130191	05-02-1971	G. D. SOUETA PER AZIONI, Via Pomponia 10, Bologna, Italy.	Conveyor device for assembling overlying layered sets of cigarettes and packing them in packets in cigarette packaging machine.
88.	130217	09-02-1971	BORGES FABRIKS AKTIEBOLAG, Norrkoping, Sweden.	A method of operating energy absorbers and an apparatus therefor.
89.	130247	12-02-1971	THE GOODYEAR TIRE & RUBBER CO., 1144, East Market Street, Akron, Ohio, U.S.A.	Improvements in inflatable shelter and and method of erection.
90.	130298	17-02-1971	USS ENGINEERS AND CONSULTANTS INC., 5251 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Contact assembly in a rotary type plating apparatus.
91.	130361	25-02-1971	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank London S.W. 1, England.	Process and apparatus for cooling extruded tubing.
92.	130530	11-03-1971	HERMANN PAPUT, Karl-Maier-Straße 1, St. Georgen, Schweizsöld, F. R. GERMANY.	A method of producing of lifting gases lighter than air and air-slip for carrying out the method.
93.	130539	11-03-1971	CARDWELL WESTINGHOUSE CO. 332, South Michigan Avenue, Chicago, Illinois, 60604, U.S.A.	Hand brake for rail road cars.

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94.	130634	19-03-1971	ESSEX INTERNATIONAL INC., 1601, Wall Street, Fort Wayne, Indiana 46804, U.S.A.	Current control apparatus and methods of manufacture thereof.
95.	130719	25-03-1971	UOP CO. No. 30 Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Apparatus for reconditioning reforming catalyst.
96.	130727	22-01-1972	NIPPON HOSO KYOKAI, 2-1, 2-chome, Jinnan, Shibuya-ku, Tokyo, Japan.	Metal vapour discharge lamp.
97.	130752	27-03-1971	SPERRY RAND CORPORATION, Crooks and Mople Road, Troy, State of Michigan, 48048, U.S.A.	Improvements in axial piston pumps.
98.	130769	29-03-1971	ABEX CORPORATION, 530 Fifth Avenue, New York, New York, U.S.A.	Production of friction materials.
99.	130843	05-04-1971	COMBUSTION ENGINEERING INC., 1000 Prospect Hill Road, Windsor, State of Connecticut, U.S.A.	Method for forming corners of omega-type expansion joints.
100.	130859	06-04-1971	GIRLING LIMITED, King's Road, Tyseley, Birmingham 11, England.	Servo boosters for vehicle brake systems.
101.	130891	07-04-1971	UOP CO. No. 30 Algonquin Road, Des Plaines State of Illinois, U.S.A.	Lubricating oil base stock production.
102.	130904	08-04-1971	COMBUSTION ENGINEERING INC., 1000, Prospect Hill Road, Windsor, State of Connecticut, U.S.A.	Mechanism for supporting a toggle section connected in a duct system between spaced conduit sections.
103.	130949	13-04-1971	SAINT-GOBAIN INDUSTRIES, 62 Boulevard Victor Hugo, Neuilly-Sur-Seine, France.	Apparatus for the formation of sheets or mats of fibres of thermoplastic materials.
104.	130951	13-04-1971	THOMAS ANTHONY HARTMAN, 700 Copac Court, Louis, Missouri, U.S.A.	Elastomers in shear in force transfer systems.
105.	131058	21-04-1971	USS ENGINEERS AND CONSULTANTS INC., 525, Wiloiam Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Improved slideable gate construction for use as closure on a bottom pour vessel.
106.	131103	24-04-1971	IMAXO LTD., 4 Westamound Square, Montreal 216, Quebec, Canada.	Pneumatic separation with re-circulation of air.
107.	131120	20-04-1971	JOHN HAROLD BARWELL, 13 Crammer Road, Cambridge, Cambridgeshire, England.	A method of and apparatus for applying tread material to tyre or wheel and tyre or wheel so obtained.
108.	131222	04-05-1971	WILLIAM PRYM WERKE, 519 Stolberg/Rhld, Zwifaller Str. 5-7, F. R. GERMANY.	Process and equipment for manufacturing a slide fastener by weaving.
109.	131239	05-05-1971	STENCIL AERO ENGINEERING CORPORATION, Municipal Airport Road, Arden, North Carolina, U.S.A.	Arrangement for deploying and spreading a parachute.
110.	131242	05-05-1971	AKTIESELSKABET NIRO ATOMIZER 305 Gladsaxevej, 2660 S. borg, Denmark.	A liquid distributor for feeding liquid to rotating atomizer wheel.
111.	131339	12-05-1971	CARDWELL WESTINGHOUSE CO., 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Sealed non-spin hand brake arrangement.
112.	131357	13-05-1971	VDO TACHOMETER WERKE ADOF SCHINDING GmbH., 6 Frankfurt, am Main 90 Post fash 901020, F. R. GERMANY.	Tachometer with a distance counting device.
113.	131455	22-05-1971	MASCHINENEFACBRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, Katzwanger Strasse 101, 8500 Nurnberg 2, West Germany.	Crankshaft assembly.
114.	131511	27-05-1971	GIRLING LTD., King's Road, Tyseley, Birmingham, 11 Warwickshire, England.	Servo-boosters for vehicle brake system.
115.	131565	02-06-1971	Do.	Disc brakes.
116.	131567	02-06-1971	RYSUKE ENYA, No. 3620, Shinichi, Murozumi-cho, Hikari city, Japan.	A device and a method for making calcium carbide.

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117.	131602	04-06-1971	EMHART INDUSTRIES INC, 950 Cottage Grove Road, Town of Bloomfield, State of Connecticut, U.S.A.	A system for inspecting a liquid filled transparent container.
118.	131706	14-06-1971	RAYMOND STANLEY KOTZUR, 600 Commercial Street, Wollongong, New South Wales, 2659, Australia.	Building module and building structure.
119.	131761	17-06-1981	DUNLOP HEDINGS LTD., London, Printers blankets.	
120.	131859	23-06-1971	NIPPON KOKAN KABUSHIKI, KAI-SHA, Tokyo, Japan.	Method and apparatus for operating a blast-furnace with an auxiliary reducing gas.
121.	131885	26-06-1971	GIRLING LTD., Birmingham 11, England.	Lining wear indicators.
122.	132261	05-08-1972	YOSHIO KATO, No. 31, Nishingesuhondosi, Amagashiki, city, Hyogo, Japan.	An apparatus for medical treatment.
123.	132269	27-07-1971	F. L. SMIDTH & CO., A/S, 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Rotary kiln with cooler tubes.
124.	132437	09-08-1971	ASHWORTH BROTHERS INC., P. O. Box 670, Fall River, Massachusetts, 02722, U.S.A.	Card clothing.
125.	132832	08-09-1971	VSS ENGINEERS AND CONSULTANTS INC., 600 Grand Street, Pittsburgh, State of Pennsylvania, U.S.A.	An assembly for attachment to a bottom pour-vessel for controlling flow liquid through nozzle.
126.	122838	08-09-1971	INSTRANETICS INC., 1115, East Elm Avenue, Fullerton, California, U.S.A.	Receiver for disposable surgical implements.
127.	132840	08-09-1971	KONINKLIJKE NEDERLANDSCHE HOOGOVENS EN STAALFABRIEKEN N. V. IJmuiden, The Netherlands.	Process and apparatus for the manufacturing of roasted baked or sintered ore pellets.
128.	132841	08-09-1971	Do.	A method for the manufacturing of backed pellets.
129.	132857	09-09-1971	Do.	Process and apparatus for the controlling of the conveyance of loose bulk materials.
130.	132858	09-09-1971	Do.	Manufacture of ore pellets.
131.	132906	14-09-1971	Do.	A method and device for mixing and homogenizing of bulk material.
132.	132945	17-09-1971	TOLIEMACHE ENVIRONMENTAL ENGINEERS LTD., 143, Maple Road, Surbiton, Surrey, England.	Ballistic separator/pulverizer.
133.	132963	18-09-1971	TAKATA KOJYO CO. LTD., 10 Mori Building, 28 Sakuragawa-cho, Nishi-kuto, Shiba, Minato-ku, Tokyo, Japan.	Method of producing a relatively rigid article.
134.	132991	21-09-1971	G. W. B. BOILERS LTD., Burton Works, Dudley, in the country of Worcester, England.	Industrial boilers.
135.	132995	21-09-1971	SNAMPROGETTI SPA, 16 Corso Venezia, Milan, Italy.	Producing of a reducing gas for blast furnace.
136.	133025	23-09-1971	SCOVILL MANUFACTURING CO., Waterbury, Country of New Haven, State of Connecticut, U.S.A.	An improved insert and core mechanism of a pneumatic valve.
137.	133026	23-09-1971	SCOVILL MANUFACTURING CO., Waterbury, Country of New Haven, State of Connecticut, U.S.A.	An improved pneumatic valve insert.
138.	133027	23-09-1971	Do.	Valves for tubeless tyres.
139.	133054	25-09-1971	Haldor FREDERIK AXEL TOPSOE, Frydenlundserj, Vedbæk, Denmark.	A Furnace for catalytic endothermic reactions and a process therefor.
140.	133146	06-10-1971	KONINKLIJKE NEDERLANDSCHE HOOGOVENS EN ITAALFABRIEKEN, IJmuiden, The Netherlands.	Process for comminuting dry material by crushing grinding or milling and a device therefor.
141.	133143	06-10-1971	F. L. SMIDTH & CO., A/S, 77 Vigerslev Alle, Copenhagen-Valby, Denmark.	Method of and apparatus for cooling cement clinker.
142.	133148	06-10-1971	Do.	Chain such as a drag chain.
143.	133226	14-10-1971	AMERICAN STANDARD INC., 40 West 40th Street, New York, New York-10018, U.S.A.	A fluid pressure brake equipment.

MECHANICAL LIST—2

(2)

The following Patents in the field of Mechanical Engineering Industry are not being commercially worked in India as admitted by the *Patentees* in the statements filed by them under section 146(2) of The Patents Act, 1970, in respect of Calendar year 1980, generally on account of want of requests for licences to work the Patented inventions.

Persons who are interested to work the said Patents commercially may contact the *Patentees* for the grant of Licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of Patentees	Title of invention
1	2	3	4	5
1.	133238	15-10-1971	CLUETT, PEABODY & CO., INC., 433 River Street, Troy, New York, U.S.A.	Method and apparatus for compressively shrinking simultaneously a plurality of layers of fabrics.
2.	133239	15-10-1971	JERVIS B. WEBB CO., 900 Alpine Avenue, Detroit, Michigan 48204, U.S.A.	Conveyor carriers.
3.	133270	19-10-1971	GIRLING LTD, King's Road, Tyseley, Birmingham 11, England.	Disc brakes for vehicles.
4.	133284	20-10-1971	RO-SEARCH, INCORPORATED, Waynesville, North Carolina, U.S.A.	Footwear and method of and device for its manufacture.
5.	133293	15-05-1972	KRISHNA RAMCHANDRA DATYE, Amit Building, Flat No. 10, Behind Dena Bank, Nehru Road, Vile-Parle (E), Bombay-57, India.	Method of construction reinforced concrete underground structures, such as foundations, tiles, diaphragms, walls and a device therefor.
6.	133324	22-10-1971	RUTI MACHINERY WORKS LTD., 8630, Ruti, Zurich, Switzerland.	Holder for a loom reed.
7.	133380	27-10-1971	ABEX CORPORATION, 530, Fifth Avenue, New York, New York, U.S.A.	Disc brakes.
8.	133409	29-10-1971	GIRLING LTD., King's Road, Tyseley, Birmingham, England.	Hydraulic braking system for vehicles.
9.	133482	04-11-1971	DEER & CO., Moline, Illinois, U.S.A.	Process for finishing patterns and core boxes.
10.	133483	04-11-1971	Do.	Apparatus for use in electroless nickel plating or articles and particularly patterns and core boxes in molding and core forming equipment.
11.	133504	05-11-1971	CARDWELL WESTINGHOUSE CO., 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Cushioning arrangement for railroad cars.
12.	133527	08-11-1971	TERRANCE J. WATERS, 33560 Muholand Highway, Malibu, California 90263, U.S.A.	Hyperboloid buildings.
13.	133546	09-11-1971	SPERRY RAND CORPORATION, Crooks and Maple Roads, Troy, State of Michigan 48084, U.S.A.	Valves for fluids.
14.	133560	10-11-1971	USS ENGINEERS AND CONSULTANTS, INC., 600 Grand Street, Pittsburgh, State of Pennsylvania, U.S.A.	Temperature sensing device.
15.	133567	10-04-1972	SRINIVASAN MANI, Ground Floor, 130/B, Jodhpur Park, Calcutta-31, India.	Hydraulic pumps or motors.
16.	133581	17-11-1972	THE TEXTILE AND ALLIED INDUSTRIES RESEARCH ORGANISATION, Kalabhanv Premises, Baroda-390001, India.	Builder motion mechanism for doubling machine.
17.	133643	16-11-1971	LUDWIG JAPROGGE, 4034, Argermund, Wachelderstrasse, 7, German Federal Republic.	A filter device for separating solids from fluids flowing in pipes.
18.	133692	22-11-1971	THE GOODYEAR TYRE & RUBBER CO., 1144, East Market Street, Akron, Ohio, U.S.A.	A tyre building machine and method of building pneumatic tyres.
19.	133800	30-11-1971	SEALED POWER CORPORATION, 2001 Sanford Street, Muskegon, State of Michigan 49443, U.S.A.	Loading sleeves for use in installing pistons.
20.	133841	03-12-1971	U. S. AMADA LTD., 615, 8th Avenue South, Seattle, Washington, U.S.A.	A punch press.

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21.	133845	04-12-1971	INDUSTRIE PIRELLI SOCIETA PER AZIONI, Centro Pirelli, Zollo, Milan, Italy.	Radial cord carcass tyre beads.
22.	133862	07-12-1971	UNIVERSAL OIL PRODUCTS CO., Ten UOP Plaza-Algonquin & Mt. Prospect Roads, Dcs Plaines, Illinois, U.S.A.	Improved vapour liquid contacting device.
23.	133884	08-12-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Cavel Van Bylandlaan 30, The Hague, The Netherlands.	Mixing apparatus for gases.
24.	133917	10-12-1971	SCHUBERT & SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, Romerstrasse, 11/12, 8070 Ingolstadt, West Germany.	A method and apparatus for stopping and starting one or more open-end spinning devices.
25.	133941	15-12-1971	WILHELM STAHLCKER GmbH, 7341, Reichenbach, West Germany.	Bearing unit for open-end spinning turbines.
26.	133955	15-12-1971	WILTSHERE CUTLERY CO., PROPRIETARY LTD., 36-38, Albert Road, South Melbourne in the State of Victoria, Commonwealth of Australia.	Knife scabbard or holder.
27.	133988	17-12-1971	INJECTO PVT. LTD., 20/5 Mathura Road, Faridabad-2, Haryana, India.	Curburettor.
28.	134013	20-12-1971	SCOVILL MANUFACTURING CO., Waterbury, County of New Haven, State of Connecticut, U.S.A.	Valves pressurisable containers.
29.	134016	20-12-1971	CESKOSLOVENSKA AKADEMIE VED, Praha, Czechoslovakia.	Producing thin walled articles from plastics or rubbers.
30.	134072	27-12-1971	MASS TRANSFER LTD., District Bank Chambers, High Street, New Castle, Staffordshire, England.	Fluid-fluid contact apparatus.
31.	134077	27-12-1971	1. MITSUBISHI PETROCHEMICAL CO. LTD., 3-1chome, Marunouchi, Chiyoda-ku, Tokyo, Japan. 2. DAINICHI-NIPPON CABLES LTD., 8, Nishino-cho, Higashinukojima, Amagasaki-shi, Hyogo, ken, Japan.	A method for manufacturing an elongated article.
32.	134177	04-01-1972	CHICAGO PNEUMATIC TOOL CO., 6 East 44th Street, New York U.S.A.	Pneumatic tool having combined nut running and crimping mechanism.
33.	134237	10-01-1972	SRINIVASAN MANI, Ground Floor, 130/B, Hodhpur Parks, Calcutta-31, India.	Gearing and lubricating means thereof.
34.	134238	10-01-1972	Do.	Gearing and lubricating means thereof.
35.	134283	14-01-1972	USS ENGINEERS AND CONSULTANTS INC., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for adjustment of side trimmer knife.
36.	134288	28-02-1972	ETHICON INC., Somerville, New Jersey, U.S.A.	Retention suture bridge.
37.	134318	19-01-1972	SEALED POWER CORPORATION, 2001, Sanford Street, Muskegon, State of Michigan 49443, U.S.A.	Piston ring assemblies.
38.	134343	20-01-1972	ELKEN SPIGERVERKET A/S, Elekemhuset Middlethumsgaten 27, Oslo, Norway.	Arrangement for venturi gas scrubbers.
39.	134381	25-01-1972	AGROPHYSICS INC., 187, Steuart Street, San Francisco, California, U.S.A.	Device for insertion into reproductive tract of animals or human beings.
40.	134457	01-02-1972	FEDERAL-MOGUL CORPORATION, 20555, North Western Highway Southfield, Michigan, 48075, U.S.A.	Clutch release bearing.
41.	134518	07-02-1972	BURMAH OIL TRADING LTD., Burmah House 57, Chiswell Street, London E.C.I, England.	Hydraulic fluids.

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42.	134539	08-02-1972	VEB KOMBINAT POLYGRAPH WERHER LAMBERZ LEIPZIG, 59, Zwischen dorfer, Strasse, 705, Leipzig, East Germany.	Method and apparatus for thread-sealing together two sheet portions.
43.	134540	08-02-1972	Do.	A thread stitching method and apparatus therefor.
44.	134541	08-02-1972	Do.	Stitching apparatus.
45.	134542	08-02-1972	Do.	Method and apparatus for producing folded and thread-sealed sheet products.
46.	134567	10-02-1972	CLUETT, PEABODY & CO., 433 River Street, Troy, New York U.S.A	Method for producing a knit fabric and apparatus for carrying out said method.
47.	134587	11-02-1972	WILHELM STAHLCKER GmbH., 7341 Reichenbach, West Germany.	Spinning turbine.
48.	134597	14-02-1972	WHEEL ABRATOR-FRYE, INC. 299, Park Avenue, New York, New York, U.S.A.	Apparatus for surface cleaning of casting.
49.	134598	14-02-1972	USS ENGINEERS AND CONSULTANTS INC., 600 Grant Street, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for measuring oxygen content of a fluid.
50.	134599	14-02-1972	DRESSER INDUSTRIES INC., Republic National Bank Building, P. O. Box 718, Dallas, Texas 75221, U.S.A.	Annular seal assembly and arrangement of annular seals.
51.	134600	14-02-1972	Do.	An improved compressor pump or the like.
52.	134628	16-02-1972	WESTINGHOUSE BRAKE AND SIGNAL CO. LTD, 82 York Way King's Cross, London NIGAJ, England.	Valve means.
53.	134654	17-02-1972	PRESSER INDUSTRIES INC., Republic National Bank Building P. O. Box 718, Dallas Texas 75221, U.S.A.	Packing for compressors, pumps, or the like.
54.	134662	18-02-1972	SUNKIST GROWERS INC., 14130 Riverside Drive, Sherman Oaks, California, U.S.A.	Apparatus for automatically selecting between a plurality of generally spherical objects.
55.	134673	19-02-1972	WILHELM HEGLER, 8731, Oerlinbach, West Germany.	Apparatus for the production of transversely profiled plastics pipe.
56.	134677	19-02-1972	USS ENGINEERS AND CONSULTANTS INC., Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus for controlling weight and distribution of a coating on a substrate.
57.	134831	04-03-1972	DAVID L. ROWLAND, 8 East Grand Street, New York, New York 10021, U.S.A.	Assemblies of seats and backs usable in furniture automobiles and other transport vehicle.
58.	134846	06-03-1972	OMINICO SYSTEMS INTERNATIONAL, INC., 8050, Florence Avenue, Downey, California, U.S.A.	Prefabricated building construction.
59.	134848	06-03-1972	JAGAT P. PALKHIWALA, 20 Jain Merchant Society, Ahmedabad, India.	Differential mechanism.
60.	134885	08-03-1972	HEINRICH WEGGER & CO., 475, Unnd/Westf Morgenstr, 39/41, German Federal Republic.	Chopper (chipping machines) for the crushing particularly of raw material of small-cross section such as wood waste (chips of wood) and similar material.
61.	134889	09-03-1972	GIRLING LTD., King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Sliding caliper disc brakes.
62.	134890	09-03-1972	GIRLING LTD., King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Sliding caliper disc brakes.
63.	134949	15-03-1972	THE GILLETTE CO, Prudential Tower Building, Boston, State of Massachusetts, U.S.A.	Razors.
64.	134950	15-03-1972	Do.	Disposable razor blade, unit.
65.	134951	15-03-1972	Do.	Package for razor blade units.
66.	134975	17-03-1972	WELHELM STAHLCKER GmbH, D-7341, Reichenbach bei Geslingen/Steige, West Germany	Brake or open-end spinning rotor or turbine.

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67.	135022	22-03-1972	WILLIAM PRYM-WERKE KG., 519, Stolborg/Rhld, Zwecaber str., 577, F.R. GERMANY.	Method and apparatus for manufacturing a sliding clasp fastener.
68.	135060	25-03-1972	DR. CHARLHAHN GmbH, Kaiserswertherstrasse 4000 Dusseldorf, Federal Republic of Germany.	Apparatus for processing absorbent cotton articles particularly tampons for feminine hygiene.
69.	135084	28-03-1972	AUTOMOTIVE PRODUCTS LTD., Tackbrook Road, Leamington Spa Warwickshire, England.	Friction clutches.
70.	135131	03-04-1972	DUNLOP HOLDINGS LTD., Dunlop House, Ryder Street, St. James's, London SW 1, England.	Pneumatic tyres.
71.	135151	04-04-1972	USS ENGINEERS AND CONSULTANTS INC., Pittsburgh, State of Pennsylvania, U.S.A.	Operating mechanism for slide gate closures.
72.	135176	05-04-1972	MCNEIL CORPORATION, 76 East Cruiser Street, Akron Summit Country, Ohio, 44311, U.S.A.	Apparatus of and method for controlling manufacturing process.
73.	135186	06-04-1972	USS ENGINEERS AND CONSULTANTS INC., Pittsburgh, State of Pennsylvania, U.S.A.	Method and apparatus for replacing a holder for a pouring tube on a bottom pour vessel.
74.	135369	25-05-1972	GIRLING LTD., King's Road, Tyseley, Birmingham 11, England.	Fluid level indicating devices.
75.	135454	05-07-1972	RUTI MACHINERY WORKS LTD., 8630 Ruti, Zurich, Switzerland.	A device for braking the picker stick of a loom.
76.	135469	18-05-1972	VARIABLE KINETIC DRIVES LTD., Rose Cottage, Pillory Green, Napton Ruglou, Warwickshire, London, England.	Torque convertor coupling.
77.	135565	06-09-1972	COMBUSTION ENGINEERING INC., 1000 Prospect Hill Road, Windsor, Connecticut, U.S.A.	Method of manufacturing pipe bends from cold formed half tori and apparatus for cold forming torus.
78.	135577	01-08-1972	Do.	Ionic flame monitor.
79.	135581	14-10-1971	MEAD CORPORATION, Talbot Towe, Dayton, Ohio, 45402, U.S.A.	Apparatus for conducting chemical reactants between fluid reactants.
80.	135602	16-05-1972	AMERICAN STANDARD INC., 40 West Street, New York, New York, 10013, U.S.A.	Quick service valve device for fluid pressure brake system.
81.	135603	26-04-1972	HEIMO-GERATEBAV GmbH, 7972/ Isnyl Allgaen Max-Eythweg 42, GERMAN FEDERAL REPUBLIC.	Spraying or smoke-laying apparatus.
82.	135621	03-07-1972	WILLIAM PRYM WERKE KG., 519, Stolber/Rhld, Zweifaller Str., 5-7, F.R. GERMANY.	An apparatus for manufacturing sliding clasp fasteners.
83.	135631	09-10-1972	ROBERT BUSCH GmbH, Postfach 50, 7 Stutta Yart 1, West Germany.	Fuel injection pump for internal combustion engine.
84.	135717	16-09-1972	METROPOLITAN TOOL AND PRODUCTS LIMITED, Lilac Groove, Boston, Nottingham NG 9 1 PG, England.	Drive arrangement for cable reading drums.
85.	135736	21-08-1972	JERVIS B. WEBB CO., 9000 Alpine Avenue, Detroit, Michigan 48204, U.S.A.	Coveyor system.
86.	135754	19-09-1972	F. L. SMIDTH & CO., A/S, 77 Vigerslev Alle DK-2500, Copenhagen Valby Denmark.	Rotary kiln.
87.	135773	08-09-1972	WILHELM STAHLCKER GmbH, D-7341, Reichenbach bei Gieslingen/steigne, West Germany.	Mountings for open-end or brak-spinning machines.
88.	135774	08-09-1972	Do.	Open-end spinning machines.
89.	135784	11-10-1972	GUSTAV SCHADE MASCHINEN-FABRIK, D-46, Portmurd, Am Rosen Platzchen 120, F.R. GERMANY.	Scraper for the removal of material from storage for use with bulk material dump.
90.	135816	13-06-1972	ELKEM-SPIGERVERKET AS., Elkem Huset, Middlethursgaten 27, Oslo, Norway.	Rotatable gastight valve.

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91.	135822	19-09-1972	MASSEY-FERGUSON SERVICES N.Y. Abraham de Veerstraat 7A, Curacao, Netherlands, Antilles.	Draft control linkage for tractor.
92.	135880	04-10-1972	COMBUSTION ENGINEERING INC., 1000 Prospect Hill Roads, Connecticut, U.S.A.	A mechanical separator.
93.	135892	26-10-1972	GIRLING LTD., King's Road, Tyseley, England.	Shoe drum brakes.
94.	135926	15-11-1972	MASSEY FERGUSON SERVICES N.Y. ANTILLES Abraha, de Veerstraat 7A, Curacao, Netherlands, Antilles.	Draft sensing unit for tractor.
95.	135988	01-05-1972	SPERRY RAND CORPORATION, Crooks & Maple Roads, Troy, State of Michigan 48084, U.S.A.	Valves for fluids.
96.	135993	26-06-1972	USS ENGINEERING AND CONSULTANTS INC., 600 Grant Street, Pittsburgh, U.S.A.	Temperature sensing device for continuous casting moulds.
97.	136025	20-07-1972	DR. CARL HAHN GmbH, Kaiserswerter Strasse 270,4000, Dusseldorf, West Germany.	A process and installation for the manufacture of tampons.
98.	136052	19-06-1972	SPERRY RAND CORPORATION, Crooks and Maple Roads, Troy, U.S.A.	Valves for fluids.
99.	136057	19-06-1972	Do.	Valves for fluids.
100.	136062	22-06-1972	GIRLING LTD., King's Road, Tyseley, England.	Disc for vehicles.
101.	136080	12-01-1973	SOCIETE D'EQUIPMENTS MANUFACTURENTIONS ET TRANSPORTS (S.E. M.A.T.) 114 bis, rue Michel-ange 75016, Paris, France.	Device for loading materials into a container.
102.	136087	21-09-1972	CATERPILLAR TRACTOR CO., 100 N.E. Adams Street, Peoria, State of Illinois, 61692, U.S.A.	Track idler wheel.
103.	136098	04-07-1972	JOHNSON & JOHNSON, 501, George Street, New Brunswick, New Jersey, U.S.A.	Improved dispensing container.
104.	136103	04-01-1972	CHICAGO PNEUMATIC TOOL CO., 6 East 44th Street, New York, New York 10017, U.S.A.	Crimping mechanism in a nut runner.
105.	136104	04-01-1972	Do.	Nut crimping mechanism.
106.	136126	16-09-1972	DEERE & CO., Moline, Illinois, U.S.A.	Self-levelling combine.
107.	136137	15-03-1972	THE GILLETIE CO., Prudential Tower Building, Boston, State of Massachusetts, U.S.A.	Disposable razor blade unit.
108.	136138	15-03-1972	Do.	Razor blade unit.
109.	136142	27-05-1972	THE WARNER & SWASEY CO., University Circle Research Centre, 11000, Cedar, Avenue Cleveland, Ohio 44106, U.S.A.	Machine tool.
110.	136178	06-02-1974	KRISHNA RAMCHANDRA DATYE, Amit Building Flat No. 10, Behind Dena Bank, Nehru Road, Vile-Parle (F), Bombay-57, India.	Method of strengthening natural soft ground artificial fills made in ground or in reclaimed land and the like for building houses or other structures.
111.	136186	22-11-1972	GIRLING LTD., King's Road, Tyseley, England.	Brake shoe adjusters.
112.	136241	28-06-1972	BATTELLE DEVELOPMENT CORPORATION, 505, King Avenue, Columbus, Ohio, U.S.A.	Improving flexural strength in fiber containing concrete.
113.	136299	27-05-1972	NATIONAL INSTITUTE OF DESIGN, Paldi, Ahmedabad-7, India.	Method of constructing a frame from an angle section and the frame so made.
114.	136302	10-01-1973	F. L. SMITH & CO., A/S, 77 Vigerslev Alle, DK-2500 Copenhagen-Valby, Denmark.	Rotary kilns.
115.	136330	15-01-1972	ETHICON INC., Somerville, New Jersey, U.S.A.	Retention suture bridge.

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116.	136367	29-06-1972	SIEMENS AG., Berlin and Munich, West Germany.	Method and an apparatus for controlling synchronous machine.
117.	136398	13-12-1972	KNORR BREMSE GmbH, Moosacherstrasse, 8, Munchen, 13, F. R. GERMANY.	Control valve for pressure air brake installations on railway vehicles.
118.	136438	24-04-1972	(1) SNAMPROGETTI S. P. A. 16, Corso Venezia, Milan, Italy. (2) PROTEZIONE RICERCA INDUSTRIES, S. A., Via Pretorio 7, Lugano, Switzerland.	Amicro container and a process for the production thereof.
119.	136482	10-11-1972	INDUSTRIE PIRELLI SOCIETA PER AZIONI, Centro Pirelli, Piazza Ducca D'Acosta, No. 3, Milan Italy.	Radical ply pneumatic tyres.
120.	136486	06-11-1972	PAKS CRAMER CO., Post Office 444, Fitchburg, Massachusetts, U.S.A.	Apparatus for and the step of interrupting supply of strand in a method of forming yarn in a yarn forming machine.
121.	136509	05-01-1973	CATERPILLER TRACTOR CO., Peoria, Illinois 61602, U.S.A.	Air-cooled resilient coupling assembly.
122.	136531	26-04-1973	ISHIKAWAJIMA HARIMA JYOUOGYO KABUSHIKI KAISHA, 2-1, 2-chome, ote-machi, Ohyoda-ku, Tokyo-to, Japan.	Furnace.
123.	136540	26-09-1972	ROBERT BOSCH GmbH, 7-Stuttgart, West Germany, Postfach 50.	Fuel injection pumps for internal combustion engines.
124.	136585	21-11-1972	PALITEX PROJECT-COMPANY, GmbH, Weerseweg 8, 815, Krefeld, West Germany.	A device for braking and stopping a double twisting spindle having a belt drive in a predetermined position.
125.	136597	22-02-1973	DR. CARL HAMN GmbH, Kaiserswerther strasse 270, D-4000 Dusseldorf, WEST GERMANY.	Tampon applicator.
126.	136616	07-02-1973	INTERCOLE AUTOMATION INC., 12011, Van Vicente, Bouleyard, Los Angles, California, U.S.A.	Mixing apparatus.
127.	136623	27-05-1972	USS ENGINEERING AND CONSULTANTS INC., Pittsburgh, State of Pennsylvania, U.S.A.	Sliding gate closure mechanism for controlling flow of molten metal.
128.	136633	11-05-1973	THE GOODYEAR TYRE & RUBBER Co., 1144 East Market Street, Akron Ohio, U.S.A.	Apparatus for monitoring the condition between two elements in relative motion.
129.	136655	25-10-1972	SEALED POWER CORPORATION, 2001, Sanford Street, Muskegon, State of Michigan 49443, U.S.A.	Pistons for combustion engines.
130.	136676	03-10-1973	TAKATA KOJYO CO. LTD., No. 10 Mori Building, 28 Sakuragawa-cho, Nishikubo, Shiba, Minato-ku, Tokyo, Japan.	Pipe laying apparatus.
131.	136684	05-01-1973	CATERPILLAR TRACTOR CO., Peoria, Illinois 61602, U.S.A.	Track-tyre vehicle with modular final device.
132.	136702	26-06-1972	CANON KABUSHIKI KAISHA, 30-2, 3-Chome Shimomaruko, Ohta-ky, Tokyo, Japan.	Electrophotographic copying machines.
133.	136709	04-01-1973	CATERPILLAR TRACTOR CO., Peoria, Illinois 61602, U.S.A.	Variable displacement pump having pressure compensator control means.
134.	136710	04-01-1973	Do.	Hydraulically powered drive and steering system for track type vehicle.
135.	136735	09-11-1972	RUTI MACHINERY WOKS LTD., 8630, Ruti, Zurich Switzerland.	Clamping device on a shuttle.
136.	136744	05-10-1972	CARRINGTON & DEWHURST LTD., Grove Mill, Eccleston Near Charley, Lancashire, England.	Fluid jet looms.
137.	136754	03-01-1973	EMHART INDUSTRIES INC., 950, Cottage, Grove Road, Bloomfield, Connecticut, U.S.A.	Method of means for detecting foreign particles in liquid containers.

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138.	136782	03-12-1971	U. S. AMADA LTD., 615, 8th Avenue South, Seattle, Washington, U.S.A.	Punch press.
139.	136783	03-12-1971	Do.	Punch press.
140.	136788	13-09-1972	KAUTEX WERKE REINOLD HAGEN GmbH, 5300 Bonn Holzlar 1, W. Germany.	Apparatus for producing hollow articles of thermoplastic synthetic resin by a blowing process.
141.	136818	30-05-1972	RCA CORPORATION, 30 Rockefeller Plaza, New York, New York 10020, U.S.A.	Magnetic beam adjusting device.
142.	136822	4-5-1972	ENERGY SCIENCES INC., 111, Terrace Hall Avenue, Buzlington, Massachusetts, U.S.A.	Process and apparatus for surface sterilization of materials.
143.	136902	19-3-1973	ELKEM-SPIGERVERKET A/S, Elekenhuset, Middlethunsaate, 27, 05103, NORWAY.	Arrangement for selective discharge of solid materials from hoppers etc.
144.	136911	8-9-1972	DEERE & CO., Moline, Illinois, U.S.A.	Hydraulic systems and more particularly to the attenuation of pressure pulsation in hydraulic circuits.
145.	136933	15-11-1972	CORBORUNDUM UNIVERSAL LTD., 11-12, North Beach Road, Madras, India.	Improvements in relating to abrasive discs.
146.	136971	2-11-1972	BATTLELLE DEVELOPMENT CORPORATION, 505, Kig Avenue, Columbus, Ohio, 43201, U.S.A.	Concrete structural members.
147.	136993	9-7-1973	RUTI MACHINERY WORKS LTD., Loom, 8630, Ruti, Zurich, Switzerland.	

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

141853.—M/s. Rayonyarns Imports Company Pvt. Ltd.

135791.—M/s. Indian Plastics Limited.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
141547 (30-03-76)	A process for preparing an aqueous slurry of vesiculated polyester resin granules
141605 (09-03-76)	Method and apparatus for disengaging particles from gases.
142469 (30-10-74)	A method and apparatus for the recovery of ammonia from gas mixture.
143128 (07-05-75)	Hydrocarbon conversion process.
143137 (12-03-75)	Process for manufacturing of phosphoric acid containing calcium phosphate.

RFNEWAL FEES PAID

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 146364 146588 146835 146904 147124 147178 147459 147614
 147666 147749 147754 147768 147791 147795 148255 148473.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 118256 granted to Council of Scientific & Industrial Research for an invention relating to "improvements in or relating to electrolytes for the electrochemical marking on metals".

The patent ceased on the 18th Oct., 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India Part III, Section 2 dated the 2nd Jan. 1982. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 6th May 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of

Patent No. 141593 granted to Crompton Greaves Limited for an invention relating to "improvements in or relating to single phase capacitor motors".

The patent ceased on the 24th Oct., 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214 Acharya Jagadish Bose Road, Calcutta-17 on or before the 6th May 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142171 granted to Nat Steel Equipment Private Limited for an invention relating to "an electrical device for automatic programming of the controls of a pressure steam sterilizer/autoclave and like pressurized steam vessels using solenoid valve system".

The patent ceased on the 24th Oct., 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 2nd January 1982. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 6th May 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 145936 granted to Kumar Balram Bhatia & Suresh Balram Bhatia for an invention relating to "improved load applying device and indicating system for metal hardness testers".

The patent ceased on the 10th Oct., 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India Part III, Section 2 dated the 28th November 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 6th May 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 150287. Himadri Electricals at 19, Prince Anwar Shah Road, Calcutta-700033 (West Bengal). "Table Fans". January 9, 1981.

Class. 1. No. 150315. A. A. Glass Co. of 6307, Gali Bent Wali, Bara Hindu Rao, Delhi-110006, a partnership firm. "Mirror with Stand". January 22, 1981.

Class. 1. No. 150326. Mrs. Sharavu Sharad Pathak, 595, Shanivar Peth, Pune-411030 Maharashtra, India. "Fuel Filter for Automobiles". January 28, 1981.

Class. 1. No. 150370. The Liv Engineering Works Ltd. of 225-C Acharya Jagadish Bose Road, Calcutta-

700020, West Bengal, India, an Indian Company. ("Fan"). February 4, 1981.

Class. 1. No. 150394. Speed & Power Instruments of 3633, Takiya Tawakul Shah, Qutab Road, Delhi-6, India. Indian Partnership Firm. February 10, 1981.

Class. 1. No. 150395. Speed & Power Instruments of 3633, Takiya Tawakul Shah, Qutab Road, Delhi-6, India. Indian Partnership Firm. "Rolling Baby Cot". February 10, 1981.

Class. 1. No. 150396. Speed & Power Instruments, 3633, Takiya Tawakul Shah, Qutab Road, Delhi-6, India, Indian Partnership Firm. "Baby Chair". February 10, 1981.

Class. 1. No. 150397. Speed & Power Instruments of 3633, Takiya Tawakul Shah, Qutab Road, Delhi-6, India, Indian Partnership Firm. "Baby Arms Chair". February 10, 1981.

Class. 1. No. 150402. Nelson Type Foundry Private Limited of 34, Sami Pillai Street, Choolai, Madras-600007, Tamilnadu, "Tamil Type Font". February 12, 1981.

Class. 1. No. 150452. Safari Industries of 143, Sheriff Devji Street, Bombay-400003, Maharashtra, an Indian Partnership Firm. "Lock & Hook". February 21, 1981.

Class. 1. No. 150494. Honest Research and Development Centre, a partnership firm of Mahadeo Nagar, Bilmora-396321, Dist. Valsad, Gujarat, "Bobbins made of Aluminium alloy for Ram textile yarns". February 28, 1981.

Class. 1. No. 150516. Norsk Hydro a.s., a Norwegian Company of Bygdy alle 2, Oslo 2, Norway. "an Ingot". March 10, 1981.

Class. 1. No. 150520. The Jay Engineering Works Ltd. of 225-C Acharya Jagadish Bose Road, Calcutta-700 020, West Bengal, India, an Indian Company. ("Canopy for ceiling fan"). March 12, 1981.

Class. 1. No. 150521. The Jay Engineering Works Ltd. of 225 C Acharya Jagadish Bose Road, Calcutta-700 020, West Bengal, India, an Indian Company. "Canopy for ceiling fan". March 12, 1981.

Class. 1. No. 150522. The Jay Engineering Works Ltd. of 225-C Acharya Jagadish Bose Road, Calcutta-700 020, West Bengal, India, an Indian Company. "Regulator for fan". March 12, 1981.

Class. 1. No. 150543. Caravan Plastic Industries, a partnership firm of 137/141, Samuel Street, 2nd floor, Bombay-400009, Maharashtra, India. "Frame of a bag". March 17, 1981.

Class. 1. No. 150546. Lektrix Engineering Industries Private Limited of 11, Industrial Town, Rajajinagar, Bangalore 560044, Karnataka. "Knife Assembly used in domestic grinder or food processor machines". March 17, 1981.

Class. 1. No. 150673. Miss Bharati K Panchmatia. Indian National of 7/B, Kulpana Building, 5th Road, Santa Cruz (East), Bombay-400055, Maharashtra, India. "A spoon". April 16, 1981.

Class. 1. No. 150693. Nelson Type Foundry Private Limited of 34 Sami Pillai Street, Choolai, Madras-600007, Tamilnadu, "Tamil Type Font". April 20, 1981.

Class. 1. No. 150811. Vinodrai Vanravandas Barchha, as Indian of Flat No 9B, (9th floor), "Neel Kamal", 41 Elgin Road, Calcutta-700020 West Bengal, India. "Stand for wick stove". May 26, 1981.

Class. 1. No. 150820. Manik Machinery Manufacturers Private Limited of 21 Sona Udvog Estate Parsi Pancharhat Road, Andheri (East) Bombay-400069, Maharashtra, India. "Cup of Spray Gum". May 28, 1981.

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Controller General of Patents,
Designs and Trade Marks.